MINUTES WATER QUALITY MANAGEMENT ADVISORY COUNCIL

October 10, 2017

Oklahoma Department of Environmental Quality Multipurpose Room Oklahoma City, Oklahoma

Official WQMAC

Approved at January 11, 2018 Meeting

Notice of Public Meeting – The Water Quality Management Advisory Council (WQMAC) convened for a Regular Meeting at 2:00 p.m. at the Oklahoma Department of Environmental Quality (DEQ), 707 North Robinson, Oklahoma City, Oklahoma. The meeting was held in accordance with the Open Meeting Act, with notice of the meeting given to the Secretary of State on October 13, 2016 and again August 29, 2017. The agenda was posted at DEQ twenty-four hours prior to the meeting. Mr. Duane Winegardner, Chair, called the meeting to order. Ms. Quiana Fields called roll and confirmed that a quorum was present.

MEMBERS PRESEN

Brian Duzan Mark Matheson Jon Nelson Jim Rodriguez Jeff Short Terry Wyatt Duane Winegardner

MEMBERS ABSENT

Robert Carr Steve Sowers Debbie Wells

DEO STAFF PRESENT

Shellie Chard

Chris Armstrong Hillary Young Mark Hildebrand Michelle Wynn Travis Couch Wendy Sheets Traci Kelly Lee Dooley **David Cates** Tory Smith Betsey Streuli Jon Roberts Patty Thompson Kelly Dixon Michael Moe Greg Carr Saba Tahmassebi **Ouiana Fields**

OTHERS PRESENT

Lynette Wrany, Court Reporter

Approval of Minutes from the July 25, 2017 Meeting – Mr. Winegardner called for a motion to approve the Minutes of the July 25, 2017 Regular Meeting. Mr. Rodriguez moved to approve and Mr. Nelson made the second.

711 1110000 1110 1111	See trai	script pages 4 – 5	
Brian Duzan	Yes	Terry Wyatt	Yes
Mark Matheson	Yes	Duane Winegardner	Yes
Jon Nelson	Yes		
Jim Rodriguez	Yes		
Jeff Short	Yes		

COUNCIL MEETING SCHEDULE FOR 2018 - Mr. Winegardner called for a motion to approve the 2018 schedule as outlined in the agenda; January 11, May 1, July 31 and September 25. Mr. Matheson moved to approve and Mr. Duzan made the second.

	See trai	nscript pages 5 – 7	
Brian Duzan	Yes	Terry Wyatt	Yes
Mark Matheson	Yes	Duane Winegardner	Yes
Jon Nelson	Yes	J	
Jim Rodriguez	Yes		
Jeff Short	Yes		

PERMANENT RULEMAKING – OAC 252:626 – PUBLIC WATER SUPPLY CONSTRUCTION STANDARDS – Mr. Greg Carr, Chief Engineer of the WQD, stated that the Department is proposing to amend the definition for "Public Water Supply (PWS) System" to exclude certain purchase water systems that meet explicit requirements and amend the definition for "Validated dose" in order to correct a typographical error. Hearing no questions or comments by the Council or by the public, Mr. Winegardner called for a motion. Mr. Matheson moved to approve and Mr. Rodriguez made the second.

	See tran	script pages 7 – 11	
Brian Duzan	Yes	Terry Wyatt	Yes
Mark Matheson	Yes	Duane Winegardner	Yes
Jon Nelson	Yes	•	
Jim Rodriguez	Yes		
Jeff Short	Yes		

PERMANENT RULEMAKING — OAC 252:631 — PUBLIC WATER SUPPLY OPERATION—Mr. Carr stated that the DEQ staff will be proposing to amend the definition for "Public Water Supply (PWS) System"; update the rule concerning the date of the incorporation by reference of certain federal regulations from July 1, 2015 to January 1, 2017, specifically allowing for newly approved alternative testing methods for contaminant listed at 40 CFR 141.21(f); clarify the reporting requirements of 40 CFR 141 and clarify that groundwater systems with certain advanced treatment processes must run a control test for "stability to calcium carbonate." Hearing no questions or comments by the Council or by the public; Mr. Winegardner called for a motion. Mr. Nelson moved to approve and Mr. Duzan made the second.

	See trans	script pages 11 – 13	
Brian Duzan	Yes	Terry Wyatt	Yes
Mark Matheson	Yes	Duane Winegardner	Yes
Jon Nelson	Yes	•	
Jim Rodriguez	Yes		
Jeff Short	Yes		

PERMANENT RULEMAKING – OAC 252:653 – AQUIFER STORAGE AND

RECOVERY – Ms. Hillary Young, Engineering Manager of the LPD, stated that the Department is proposing to create a new Chapter, OAC 252:653 (Aquifer Storage and Recovery), to allow for a regulatory structure for an aquifer storage and recover (ASR) program. The purpose of the Chapter is to enable DEQ to issue permits to those who wish to undertake an ASR project. The Chapter establishes a multi-phase permitting process and requirements for the construction and operation of an ASR project. The proposed rule requires appropriate testing and modeling to ensure a project is feasible and that the aquifer is not harmed. In addition, the Chapter establishes the fees associated with ASR permitting and operations. Following

questions and comments by the Council and none by the public, Mr. Winegardner called for a motion. Ms. Wyatt moved to approve and Mr. Matheson made the second.

	See trans	script pages 13 - 32	
Brian Duzan	Yes	Terry Wyatt	Yes
Mark Matheson	Yes	Duane Winegardner	Yes
Jon Nelson	Yes	-	
Jim Rodriguez	Yes		
Jeff Short	Yes		

Mr. Winegardner did Item #8 first and then went back to Item #7 on the agenda.

PROCEDURE – Ms. Young stated that the Department is proposing to create three new sections 252:4-7-79 through 252:4-7-81 for Aquifer Storage and Recovery (ASR) applications within Part 7 Water Quality Division Tiers and Timelines of Subchapter 7. New section 252-4-7-79 – Aquifer Storage and Recovery (ASR) application – Tier I, new section 252:4-7-80 – ASR applications – Tier II, and new section 252:4-7-81 – ASR applications – Tier III. The proposed rulemaking will make it possible to apply to DEQ for permits required for an ASR project. ASR is one of the tools in the portfolio of options DEQ is pursuing to address water quantity concerns across the state, especially during times of drought. Following questions and comments by the Council and none by the public, Mr. Winegardner called for a motion. Mr. Rodriguez moved to approve and Mr. Duzan made the second.

	See trans	script pages 32 - 36	
Brian Duzan	Yes	Terry Wyatt	Yes
Mark Matheson	Yes	Duane Winegardner	Yes
Jon Nelson	Yes	•	
Jim Rodriguez	Yes		
Jeff Short	Yes		

DISCUSSION OF RULEMAKING FOR JANUARY 2018 WQMAC MEETING - OAC 252:628 – INDIRECT POTABLE REUSE FOR SURFACE WATER AUGMENTATION – Mr. Carr stated that the DEQ staff will be proposing a new chapter to regulate indirect potable reuse discharges to surface water bodies for the purpose of augmenting public water supplies. There were comments by the Council and none by the public.

See transcript pages 36 - 53

DIRECTOR'S REPORT – Ms. Shellie Chard, Division Director of the WQD provided an update on other division activities.

See transcript pages 53 - 60

NEW BUSINESS - None

ANNOUNCEMENTS – Mr. Winegardner mentioned that the Governor's Water Conference will be October 31 and November 1. Also, the next scheduled WQMAC meeting will be on January 11, 2018 at 2:00 p.m. in the Multi-Purpose Room, 1st floor, DEQ building.

See transcript pages 60 - 61

ADJOURNMENT - Mr. Winegardner entertained a motion to adjourn. Mr. Nelson moved to approve and Mr. Duzan made the second. The meeting was adjourned at 3:20 p.m.

Transcripts and Attendance Sheet are attached as an official part of these Minutes.

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY MANAGEMENT ADVISORY COUNCIL REGULAR MEETING

October 10, 2017 - 2:00 p.m.

at the Multi-Purpose Room, 1st Floor DEQ Building
707 N. Robinson

Oklahoma City, Oklahoma

WORD FOR WORD REPORTING, L.L.C. 111 HARRISON AVE, SUITE 101 OKLAHOMA CITY, OKLAHOMA 73104

(405)232 - 9673

REPORTED BY: Jennifer Payne Kaelin, CSR

	Page 2		Page 4
1	COUNCIL MEMBERS PRESENT:	1	MR. JON NELSON: Here.
2	MR. Brian Duzan	2	MS. QUIANA FIELDS: Mr. Rodriguez?
3	Mr. Mark Matheson	3	MR. JIM RODRIGUEZ: Here
4	Mr. Jon Nelson	4	MS, QUIANA FIELDS: Mr. Short?
5	Mr. Duane Winegardner - Chairman	5	VICE CHAIRMAN JEFF SHORT: Here.
6	Mr. Jim Rodriguez	6	MS, QUIANA FIELDS; Mr. Sowers is absent.
7	Mr. Jeffrey Short, Vice Chairman	7	Ms. Wells is absent.
8	Ms. Terry Wyatt	8	Ms. Wyott?
9	COUNCIL MEMBERS ABSENT:	9	MS, TERRY WYATT, Have.
10	Mr. Steve Sowers	10	MS, QUIANA FIELDS: Mr. Winegardner?
11	Ms. Debbie Wells	11	CHAIRMAN DUANE WINEGARDNER: Have
12	ALSO PRESENT:	12	MS, QUIANA FIELDS: We have a quorum
13	Ms. Quiana Fields, Secretary of Board and Council	13	CHAIRMAN DUANE WINEGARDNER: Thank you very much.
14	Mr. Greg Carr, Water Quality Division Chief Engineer	14	Okay. I hope that all of the mambers have had a chance
15	Ms. Hillary Young, Land Protection Division Chief Engineer	1.5	to review the minutes from the July 25th meeting. And I
16	Ms. Shellie Chard, Water Quality Division Director	16	will entertain a motion.
17	Mr. Saba Tahmassebi, Engineering Manager	17	MR. JIM RODRIGUEZ: So moved.
18		16	CHAIRAIAN DUANE WINEGARDNER: So moved
19		19	MR. JON NELSON: Seconded.
20		20	CHAIRMAN DUANE WINEGARDNER: And seconded. Okay,
21		21	Roll call, please
22		223	MS. QUIANA FIELDS: Mr. Duran?
23		23	MR. BRIAN DUZAN: Yes.
24		24	MS. QUIANA FIELDS: Mr. Matheson?
25		25	MR. MARK MATHESON: Yes.
	Page 3		Page 5
1	CALL TO ORDER. 2:00 P.M.	1	MS. QUIANA FIELDS: Mr. Nelson?
2	CHARMAN DUANE WINEGARDNER: Well, good afternoon.	2	MR. JON NELSON: Yes.
3	Just making the count around the table here, it appears that	3	MS. QUIANA FIELDS: Mr. Rodriguez?
4	we have a quorum. I'd like to call this receting to order.	4	MR. JIM RODRIGUEZ: Yes.
5	And the regular meeting this regular meeting of the	5	MS QUIANA FIELDS: Mr. Shon?
7	Water Quality Management Advisory Council was called in	6	VICE CHAIRMAN JEFF SHORT; Yes.
8	accordance with the Open Meeting Act.	7	MS QUIANA FIELDS: Ms. Wyait?
9	Notice for this October 10, 2017, meeting was filed	8	MS. TERRY WYATT: Yes.
10	with the Secretary of State on October 13, 2016, and again	9	MS. QUIANA FIELDS: Mr. Winegardner?
10	August 29, 2017. The Agenda was duly posted at the DEQ at	10	CITATRIMAN DUANE WINEGARDNER: Yes.
11	Lact 2.1 hours solve to the markley	1	· · · · · · · · · · · · · · · · · · ·
11	least 24 hours prior to the moeting.	11	M5. QUIANA FIELDS: Motion passed.
12	Only matters pertaining to the posted Agenda may be	12	M5. QUIANA FIELDS: Motion passed. CHAIRMAN DUANE WINEGARDNER: Thank you very much.
12 13	Ordy matters pertaining to the posted Agenda may be considered at this regular macting. In the event that this	12 13	MS. QUIANA FIELDS: Motion passed. CHAIRMAN DUANE WINEGARDNER: Thank you very much. Okay. We have now an opportunity to discuss the
12 13 14	Ordy matters pertaining to the posted Agenda may be considered at this regular meeting. In the event that this meeting is continued or reconvened, public notice of the	12 13 14	MS. QUIANA FIELDS: Motion passed. CHAIRMAN DUANE WINEGARDNER: Thank you very much. Okay. We have now an opportunity to discuss the Council meeting schedule for 2018, and I think Shellie is
12 13 14 15	Only matters pertaining to the posted Agenda may be considered at this regular meeting. In the event that this meeting is continued or reconvened, public notice of the date, time and place of the continued meeting will be given	12 13 14 15	MS. QUIANA FIELDS: Motion passed. CHAIRMAN DUANE WINEGARDNER: Thank you very much. Okay. We have now an opportunity to discuss the Council meeting schedule for 2018, and I think Shellie is going to lead us in that.
12 13 14 15	Only matters pertaining to the posted Agenda may be considered at this regular meeting. In the event that this meeting is continued or reconvened, public notice of the date, time and place of the continued meeting will be given by announcement at this meeting. Only matters appearing on	12 13 14 15 16	MS. QUIANA FIELDS: Motion passed. CHAIRMAN DUANE WINEGARDNER: Thank you very much. Okay. We have now an opportunity to discuss the Council meeting schedule for 2018, and I think Shellie is going to lead us in that. MS. SHELLIE CHARD: Okay. In front of you, you
12 13 14 15 16	Only matters pertaining to the posted Agenda may be considered at this regular meeting. In the event that this meeting is continued or reconvened, public notice of the date, time and place of the continued meeting will be given by announcement at this meeting. Only matters appearing on the Agenda of a meeting which is continued may be discussed	12 13 14 15 16 17	MS. QUIANA FIELDS: Motion passed. CHAIRMAN DUANE WINEGARDNER: Thank you very much. Okay. We have now an opportunity to discuss the Council meeting schedule for 2018, and I think Shellie is going to lead us in that. MS. SHELLIE CHARD: Okay. In front of you, you have dates that correspond as closely as possible to our
12 13 14 15 16 17	Only matters pertaining to the posted Agenda may be considered at this regular meeting. In the event that this meeting is continued or reconvened, public notice of the date, time and place of the continued meeting will be given by announcement at this meeting. Only matters appearing on the Agenda of a meeting which is continued may be discussed at the continued or reconvened meeting.	12 13 14 15 16 17	MS. QUIANA FIELDS: Motion passed. CHAIRMAN DUANE WINEGARDNER: Thank you very much. Okay. We have now an opportunity to discuss the Council meeting schedule for 2018, and I think Shellie is going to lead us in that. MS. SHELLIE CHARD: Okay. In front of you, you have dates that correspond as closely as possible to our normal meeting schedule. However, you will notice that the
12 13 14 15 16 17 19	Only matters pertaining to the posted Agenda may be considered at this regular meeting. In the event that this meeting is continued or reconvened, public notice of the date, time and place of the continued meeting will be given by announcement at this meeting. Only matters appearing on the Agenda of a meeting which is continued may be discussed at the continued or reconvened meeting. May we have the roll call, please?	12 13 14 15 16 17 18	MS. QUIANA FIELDS: Motion passed. CHAIRMAN DUANE WINEGARDNER: Thank you very much. Okay. We have now an opportunity to discuss the Council meeting schedule for 2018, and I think Shellie is going to lead us in that. MS. SHELLIE CHARD: Okay. In front of you, you have dates that correspond as closely as possible to our normal meeting schedule. However, you will notice that the January date, as proposed, is actually Thursday,
12 13 14 15 16 17 18 19	Only matters pertaining to the posted Agenda may be considered at this regular meeting. In the event that this meeting is continued or reconvened, public notice of the date, time and place of the continued meeting will be given by announcement at this meeting. Only matters appearing on the Agenda of a meeting which is continued may be discussed at the continued or reconvened meeting. May we have the roll call, please? MS. QUIANA FIELDS. Mr. Carr is absent.	12 13 14 15 16 17 18 19 20	MS. QUIANA FIELDS: Motion passed. CHAIRMAN DUANE WINEGARDNER: Thank you very much. Okay. We have now an opportunity to discuss the Council meeting schedule for 2018, and I think Shellie is going to lead us in that. MS. SHELLIE CHARD: Okay. In front of you, you have dates that correspond as closely as possible to our normal meeting schedule. However, you will notice that the January date, as proposed, is actually Thursday, January 11th. The reason for that is the February board
12 13 14 15 16 17 10 19 20	Only matters pertaining to the posted Agenda may be considered at this regular meeting. In the event that this meeting is continued or reconvened, public notice of the date, time and place of the continued meeting will be given by announcement at this meeting. Only matters appearing on the Agenda of a meeting which is continued may be discussed at the continued or reconvened meeting. May we have the roll call, please? MS. QUIANA FIELDS: Mr. Carr is absent. Mr. Duzan?	12 13 14 15 16 17 18 19 20 21	MS. QUIANA FIELDS: Motion passed. CHAIRMAN DUANE WINEGARDNER: Thank you very much. Okay. We have now an opportunity to discuss the Council meeting schedule for 2018, and I think Shellie is going to lead us in that. MS. SHELLIE CHARD: Okay. In front of you, you have dates that correspond as closely as possible to our normal meeting schedule. However, you will notice that the January date, as proposed, is actually Thursday, January 11th. The reason for that is the February board meeting, it is set on February 16th in order to give the
12 13 14 15 16 17 18 19 20 21	Only matters pertaining to the posted Agenda may be considered at this regular meeting. In the event that this meeting is continued or reconvened, public notice of the date, time and place of the continued meeting will be given by announcement at this meeting. Only matters appearing on the Agenda of a meeting which is continued may be discussed at the continued or reconvened meeting. May we have the roll call, please? MS. QUIANA FIELDS: Mr. Carr is absent. Mr. Duzan? MR. BRIAN DUZAN; Here.	12 13 14 15 16 17 18 19 20 21 22	MS. QUIANA FIELDS: Motion passed. CHAIRMAN DUANE WINEGARDNER: Thank you very much. Okay. We have now an opportunity to discuss the Council meeting schedule for 2018, and I think Shellie is going to lead us in that. MS. SHELLIE CHARD: Okay. In front of you, you have dates that correspond as closely as possible to our normal meeting schedule. However, you will notice that the January date, as proposed, is actually Thursday, January 11th. The reason for that is the February board meeting, it is set on February 16th in order to give the staff and the court reporter and everyone enough time to do
12 13 14 15 16 17 18 19 20 21 22 23	Only matters pertaining to the posted Agenda may be considered at this regular meeting. In the event that this meeting is continued or reconvened, public notice of the date, time and place of the continued meeting will be given by announcement at this meeting. Only matters appearing on the Agenda of a meeting which is continued may be discussed at the continued or reconvened meeting. May we have the roll call, please? MS. QUIANA FIELDS: Mr. Carr is absent. Mr. Duzan? MR. BRIAN DUZAN: Here. MS. QUIANA FIELDS: Mr. Matheson?	12 13 14 15 16 17 18 19 20 21 22 23	MS. QUIANA FIELDS: Motion passed. CHAIRMAN DUANE WINEGARDNER: Thank you very much. Okay. We have now an opportunity to discuss the Council meeting schedule for 2018, and I think Shellie is going to lead us in that. MS. SHELLIE CHARD: Okay. In front of you, you have dates that correspond as closely as possible to our normal meeting schedule. However, you will notice that the January date, as proposed, is actually Thursday, January 11th. The reason for that is the February board meeting, it is set on February 16th in order to give the staff and the court reporter and everyone enough time to do the administrative process. We try to have more than the
12 13 14 15 16 17 19 20 21	Only matters pertaining to the posted Agenda may be considered at this regular meeting. In the event that this meeting is continued or reconvened, public notice of the date, time and place of the continued meeting will be given by announcement at this meeting. Only matters appearing on the Agenda of a meeting which is continued may be discussed at the continued or reconvened meeting. May we have the roll call, please? MS. QUIANA FIELDS: Mr. Carr is absent. Mr. Duzan? MR. BRIAN DUZAN; Here.	12 13 14 15 16 17 18 19 20 21 22	MS. QUIANA FIELDS: Motion passed. CHAIRMAN DUANE WINEGARDNER: Thank you very much. Okay. We have now an opportunity to discuss the Council meeting schedule for 2018, and I think Shellie is going to lead us in that. MS. SHELLIE CHARD: Okay. In front of you, you have dates that correspond as closely as possible to our normal meeting schedule. However, you will notice that the January date, as proposed, is actually Thursday, January 11th. The reason for that is the February board meeting, it is set on February 16th in order to give the staff and the court reporter and everyone enough time to do

	Page 6		Do a - 0
l ,	Tuesdays.	1	Page 8
2	I think Mark kind of sent out some e-mails and feelers		Division Chief Engineer. The first thing we'll start with
3	to kind of get everybody's kind of feel for what they	2	today is we're proposing a new definition for Public Water
4	thought about dates, and these were the four that we came up	4	Supply System. If you turn to page – let's see. Looks
5	with that are listed on your Agenda. We can look at other	5	like the middle of Page 3. And this is for 252 626, Public
6	dates if we need to, but those were the best dates we could	6	Water Supply Construction Standards. That's where I'm
7	come up with to match the Environmental Quality Board	7	starting with. And you can see the additional parts are
8	schedule, meeting room schedule and administrative timelines	8	underlined.
9	for dates of publication and that sort of thing.	9	Essentially, we're excluding certain purchase water
10	Does any body have any questions or proposals for	10	systems, specifically manufactured home communities, mobile
11	chanters?	11	home parks, RV parks and correctional facilities. And note
12	(No response.)	12	that these do not have to provide treatment. They do no
13	CHAIRMAN DUANE WINEGARDNER: If there are no	13	resell water, also. And they must be constructed,
14	commands from the board, are there are — are there any	14	maintained and operated under an approved plumbing code and
15	other concerns? Any at all? If not, I will call for a roll	15	purchase water from a permitted water system. And at least
16	call.	16	initially, also they need to be in compliance with the Safe
17	MS. QUIANA FIELDS: A motion.	17	Drinking Water Act, so we're not just using this to make
19	CHAIRMAN DUANE WINEGARDNER: A motion first of	18	things go away.
19	all.	19	This is an effort to apply the rule equally and
20	MR. MARK MATHESON: I'm going to make a motion	20	equivalently to things such as apartment complexes to make
21	that we approve those dates	20	us more — more even across the scale. And we've also — we
22	MR. BRIAN DUZAN Second.	22	discussed this about two months ago with EPA. They concur
23	CHAIRMAN DUANE WINEGARDNER: And a second. Okay.	23	that it meets with their rules.
24	Roll call, please.	24	And just as another note, we expect the fees on this,
25	MS. QUIANA FIELDS: Mr. Duzzn?	25	between the between our PWS fees and lab analyses and
1	NO QUESTI FREEDS. Na DIZZI	23	probably a proportional lowering of the PWSS Grant, we would
	Page 7		Page 9
1	MR. BRIAN DUZAN; Yes,	1	•
			DEDUCATION WOULD SEE A LOWESTING OF About \$7.24 HER over some
2	MS. QUIANA FIELDS: Mr. Matheson?	2	probably would see a lowering of about \$243,000 per year. But we also expect the workload to decrease creatly in an
2	MS. QUIANA FIELDS: Mr. Matheson? MR. MARK MATHESON: Yes.	l	But we also expect the workload to decrease greatly in an
	·	2	But we also expect the workload to decrease greatly in an essentially proportional amount.
3	MR. MARK MATHESON: Yes.	3	But we also expect the workload to decrease greatly in an
3	MR. MARK MATHESON: Yes. MS. QURANA PIELDS: Mr Nelson?	3 4	But we also expect the workload to decrease greatly in an essentially proportional amount. Should I keep going with the rest, or do you want to discuss that one?
3 4 5	MR. MARK MATHESON: Yes. MS. QURANA FIELDS: Mr. Nelson? MR. JON NELSON: Yes.	3 4 5	But we also expect the workload to decrease greatly in an essentially proportional amount. Should I keep going with the rest, or do you want to discuss that one? CHAIRMAN DUANE WINEGARDNER: No. Let's – does
3 4 5 6	MR. MARK MATHESON: Yes. MS. QUANA FIELDS: Mr. Nelson? MR. JON NELSON: Yes. MS. QUIANA FIELDS: Mr. Rodriguez?	3 4 5 6	But we also expect the workload to decrease greatly in an essentially proportional amount. Should I keep going with the rest, or do you want to discuss that one? CHAIRMAN DUANE WINEGARDNER: No. Let's – does anyone have any questions or –
3 4 5 6 7	MR. MARK MATHESON: Yes. MS. QURANA FIELDS: Mr. Nelson? MR. JON NELSON: Yes. MS. QUIANA FIELDS: Mr. Rodriguez? MR. JIM RODRIGUEZ: Yes.	3 4 5 6	But we also expect the workload to decrease greatly in an essentially proportional amount. Should I keep going with the rest, or do you want to discuss that one? CHAIRMAN DUANE WINEGARDNER: No. Let's – does anyone have any questions or – (No response.)
3 4 5 6 7	MR. MARK MATHESON: Yes. MS. QURANA FIELDS: Mr. Nelson? MR. JON NELSON: Yes. MS. QUIANA FIELDS: Mr. Rodriguez? MR. JIM RODRIGUEZ: Yes. MS. QUIANA FIELDS: Mr. Short?	3 4 5 6 7 0	But we also expect the workload to decrease greatly in an essentially proportional amount. Should I keep going with the rest, or do you want to discuss that one? CHAIRMAN DUANE WINEGARDNER: No. Let's – does amyone have any questions or – (No response.) MR. GREG CARR: All right. Fantastic.
3 4 5 6 7 8	MR. MARK MATHESON: Yes. MS. QURANA FIELDS: Mr. Nelson? MR. JON NELSON: Yes. MS. QUIANA FIELDS: Mr. Rodriguez? MR. JIM RODRIGUEZ: Yes. MS. QUIANA FIELDS: Mr. Short? VICE CHAIRMAN JEFF SHORT: Yes.	3 4 5 6 7 8	But we also expect the workload to decrease greatly in an essentially proportional amount. Should I keep going with the rest, or do you want to discuss that one? CHAIRMAN DUANE WINEGARDNER: No. Let's – does amyone have any questions or – (No response.) MR. GREG CARR: All right. Fantastic. CHAIRMAN DUANE WINEGARDNER: Go ahead.
3 4 5 6 7 8 9	MR. MARK MATHESON: Yes. MS. QURANA FIELDS: Mr. Nelson? MR. JON NELSON: Yes. MS. QUIANA FIELDS: Mr. Rodriguez? MR. JIM RODRIGUEZ: Yes. MS. QUIANA FIELDS: Mr. Short? VICE CHAIRMAN JEFF SHORT: Yes. MS. QUIANA FIELDS: Ms. Wyatt?	3 4 5 6 7 9	But we also expect the workload to decrease greatly in an essentially proportional amount. Should I keep going with the rest, or do you want to discuss that one? CHAIRMAN DUANE WINEGARDNER: No. Let's – does amyone have any questions or – (No response.) MR. GREG CARR: All right. Fantastic. CHAIRMAN DUANE WINEGARDNER: Go ahead. MR. GREG CARR: All right. Secondly, also near
3 4 5 6 7 8 9 10	MR. MARK MATHESON: Yes. MS. QURANA FIELDS: Mr. Nelson? MR. JON NELSON: Yes. MS. QUIANA FIELDS: Mr. Rodriguez? MR. JIM RODRIGUEZ: Yes. MS. QUIANA FIELDS: Mr. Short? VICE CHAIRMAN JEFF SHORT: Yes. MS. QUIANA FIELDS: Ms. Wyatt? MS. TERRY WYATT: Yes.	3 4 5 6 7 8 9	But we also expect the workload to decrease greatly in an essentially proportional amount. Should I keep going with the rest, or do you want to discuss that one? CHAIRMAN DUANE WINEGARDNER: No. Let's – does amone have any questions or – (No response.) MR. GREG CARR: All right. Fantastic. CHAIRMAN DUANE WINEGARDNER: Go ahead. MR. GREG CARR: All right. Secondly, also near the bottom of Page 5 in the same Section on 626, we are
3 4 5 6 7 8 9 10 11	MR. MARK MATHESON: Yes. MS. QURANA FIELDS: Mr. Nelson? MR. JON NELSON: Yes. MS. QURANA FIELDS: Mr. Rodriguez? MR. JIM RODRIGUEZ: Yes. MS. QURANA FIELDS: Mr. Short? VICE CHAIRMAN JEFF SHORT: Yes. MS. QURANA FIELDS: Ms. Wyatt? MS. TERRY WYATT: Yes. MS. QURANA FIELDS: Mr. Winegardner?	3 4 5 6 7 8 9 10	But we also expect the workload to decrease greatly in an essentially proportional amount. Should I keep going with the rest, or do you want to discuss that one? CHAIRMAN DUANE WINEGARDNER: No. Let's = does anyone have any questions or = (No response.) MR. GREG CARR: All right. Fantastic. CHAIRMAN DUANE WINEGARDNER: Go ahead. MR. GREG CARR: All right. Secondly, also near the bottom of Page 5 in the same Section on 626, we are realoing the = we are removing the redundant word "means."
3 4 5 6 7 8 9 10 11 12	MR. MARK MATHESON: Yes. MS. QURANA FIELDS: Mr. Nelson? MR. JON NELSON: Yes. MS. QUIANA FIELDS: Mr. Rodriguez? MR. JIM RODRIGUEZ: Yes. MS. QUIANA FIELDS: Mr. Short? VICE CHAIRMAN JEFF SHORT: Yes. MS. QUIANA FIELDS: Ms. Wyatt? MS. TERRY WYATT: Yes. MS. QURANA FIELDS: Mr. Winegardner? CHAIRMAN DUANE WINEGARDNER: Yes.	3 4 5 6 7 8 9 10	But we also expect the workload to decrease greatly in an essentially proportional amount. Should I keep going with the rest, or do you want to discuss that one? CHAIRMAN DUANE WINEGARDNER: No. Let's = does amone have any questions or = (No response.) MR. GREG CARR: All right. Fantastic. CHAIRMAN DUANE WINEGARDNER: Go ahead. MR. GREG CARR: All right. Secondly, also near the bottom of Page 5 in the same Section on 626, we are realoing the = we are removing the redundant word "means." You can see it's been crossed out.
3 4 5 6 7 8 9 10 11 12 13	MR. MARK MATHESON: Yes. MS. QURANA FIELDS: Mr. Nelson? MR. JON NELSON: Yes. MS. QUIANA FIELDS: Mr. Rodriguez? MR. JIM RODRIGUEZ: Yes. MS. QUIANA FIELDS: Mr. Short? VICE CHAIRMAN JEFF SHORT: Yes. MS. QUIANA FIELDS: Ms. Wyatt? MS. TERRY WYATT: Yes. MS. QURANA FIELDS: Mr. Winegardner? CHAIRMAN DUANE WINEGARDNER: Yes. MS. QUIANA FIELDS: Motion passed.	3 4 5 6 7 8 9 10 11 12 13	But we also expect the workload to decrease greatly in an essentially proportional amount. Should I keep going with the rest, or do you want to discuss that one? CHAIRMAN DUANE WINEGARDNER: No. Let's = does anyone have any questions or = (No response.) MR. GREG CARR: All right. Fantastic. CHAIRMAN DUANE WINEGARDNER: Go ahead. MR. GREG CARR: All right. Secondly, also near the bottom of Page 5 in the same Section on 626, we are realoing the = we are removing the redundant word "means." You can see it's been crossed out. And then moving to Chapter 631, looking at Page 2 now.
3 4 5 6 7 8 9 10 11 12 13 14 15	MR. MARK MATHESON: Yes. MS. QURANA FIELDS: Mr. Nelson? MR. JON NELSON: Yes. MS. QUIANA FIELDS: Mr. Rodriguez? MR. JIM RODRIGUEZ: Yes. MS. QUIANA FIELDS: Mr. Short? VICE CHAIRMAN JEFF SHORT: Yes. MS. QUIANA FIELDS: Ms. Wyatt? MS. TERRY WYATT: Yes. MS. QURANA FIELDS: Mr. Winegardner? CHAIRMAN DUANE WINEGARDNER: Yes. MS. QUIANA FIELDS: Motion passed. CHAIRMAN DUANE WINEGARDNER: Okay. Very good.	3 4 5 6 7 8 9 10 11 12 13 14 15	But we also expect the workload to decrease greatly in an essentially proportional amount. Should I keep going with the rest, or do you want to discuss that one? CHAIRMAN DUANE WINEGARDNER: No. Let's = does anyone have any questions or = (No response.) MR. GREG CARR: All right. Fantastic. CHAIRMAN DUANE WINEGARDNER: Go ahead. MR. GREG CARR: All right. Secondly, also near the bottom of Page 5 in the same Section on 626, we are realoing the = we are removing the redundant word "means." You can see it's been crossed out. And then moving to Chapter 631, looking at Page 2 now. MS. SHELLIE CHARD: Greg, need to vote on that.
3 4 5 6 7 8 9 10 11 13 14 15 16	MR. MARK MATHESON: Yes. MS. QURANA FIELDS: Mr. Nelson? MR. JON NELSON: Yes. MS. QUIANA FIELDS: Mr. Rodriguez? MR. JIM RODRIGUEZ: Yes. MS. QUIANA FIELDS: Mr. Short? VICE CHAIRMAN JEFF SHORT: Yes. MS. QUIANA FIELDS: Ms. Wyatt? MS. TERRY WYATT: Yes. MS. QURANA FIELDS: Mr. Winegardner? CHAIRMAN DUANE WINEGARDNER: Yes. MS. QUIANA FIELDS: Motion passed. CHAIRMAN DUANE WINEGARDNER: Okay. Very good. Now we have before us — oh, before we go too much finther, when we get down to — I would like to reverse	3 4 5 6 7 8 9 10 11 12 13 14 15	But we also expect the workload to decrease greatly in an essentially proportional amount. Should I keep going with the rest, or do you want to discuss that one? CHAIRMAN DUANE WINEGARDNER: No. Let's = does anyone have any questions or = (No response.) MR. GREG CARR: All right. Fantastic. CHAIRMAN DUANE WINEGARDNER: Go ahead. MR. GREG CARR: All right. Secondly, also near the bottom of Page 5 in the same Section on 626, we are realoing the = we are removing the redandant word "means." You can see it's been crossed out. And then moving to Chapter 631, looking at Page 2 now. MS. SHELLIE CHARD: Greg, need to vote on that. MR. GREG CARR: Im sorry?
3 4 5 6 7 8 9 10 11 12 13 14 15 16	MR. MARK MATHESON: Yes. MS. QURANA FIELDS: Mr. Nelson? MR. JON NELSON: Yes. MS. QUIANA FIELDS: Mr. Rodriguez? MR. JIM RODRIGUEZ: Yes. MS. QUIANA FIELDS: Mr. Short? VICE CHAIRMAN JEFF SHORT: Yes. MS. QUIANA FIELDS: Ms. Wyatt? MS. TERRY WYATT: Yes. MS. QURANA FIELDS: Mr. Winegardner? CHAIRMAN DUANE WINEGARDNER: Yes. MS. QUIANA FIELDS: Motion passed. CHAIRMAN DUANE WINEGARDNER: Okay. Very good. Now we have before us — oh, before we go too much	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	But we also expect the workload to decrease greatly in an essentially proportional amount. Should I keep going with the rest, or do you want to discuss that one? CHAIRMAN DUANE WINEGARDNER: No. Let's = does anyone have any questions or = (No response.) MR. GREG CARR: All right. Fantastic. CHAIRMAN DUANE WINEGARDNER: Go ahead. MR. GREG CARR: All right. Secondly, also near the bottom of Page 5 in the same Section on 626, we are realoing the = we are removing the redundant word "means." You can see it's been crossed out. And then moving to Chapter 631, looking at Page 2 now. MS. SHELLIE CHARD: Greg, need to vote on that. MR. GREG CARR: Im sorry? MS. SHELLIE CHARD: Before you move on, the
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	MR. MARK MATHESON: Yes. MS. QURANA FIELDS: Mr. Nelson? MR. JON NELSON: Yes. MS. QUIANA FIELDS: Mr. Rodriguez? MR. JIM RODRIGUEZ: Yes. MS. QUIANA FIELDS: Mr. Short? VICE CHAIRMAN JEFF SHORT: Yes. MS. QUIANA FIELDS: Ms. Wyatt? MS. TERRY WYATT: Yes. MS. QUIANA FIELDS: Mr. Winegardner? CHAIRMAN DUANE WINEGARDNER: Yes. MS. QUIANA FIELDS: Motion passed. CHAIRMAN DUANE WINEGARDNER: Okay. Very good. Now we have before us — oh, before we go too much fiather, when we get down to — I would like to reverse items seven and eight when we get that far along. I would	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	But we also expect the workload to decrease greatly in an essentially proportional amount. Should I keep going with the rest, or do you want to discuss that one? CHAIRMAN DUANE WINEGARDNER: No. Let's – does amyone have any questions or – (No response.) MR. GREG CARR: All right. Fantastic. CHAIRMAN DUANE WINEGARDNER: Go ahead. MR. GREG CARR: All right. Secondly, also near the bottom of Page 5 in the same Section on 626, we are realoing the – we are removing the redundant word "means." You can see it's been crossed out. And then moving to Chapter 631, looking at Page 2 now. MS. SHELLIE CHARD: Grey, need to vote on that. MR. GREG CARR: Im sorry? MS. SHELLIE CHARD: Before you move on, the Council needs to take action on this chapter.
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	MR. MARK MATHESON: Yes. MS. QURANA FIELDS: Mr. Nelson? MR. JON NELSON: Yes. MS. QUIANA FIELDS: Mr. Rodriguez? MR. JIM RODRIGUEZ: Yes. MS. QURANA FIELDS: Mr. Short? VICE CHAIRMAN JEFF SHORT: Yes. MS. QUIANA FIELDS: Ms. Wyatt? MS. TERRY WYATT: Yes. MS. QUIANA FIELDS: Mr. Winegardner? CHAIRMAN DUANE WINEGARDNER: Yes. MS. QUIANA FIELDS: Motion passed. CHAIRMAN DUANE WINEGARDNER: Okay, Very good. Now we have before us — oh, before we go too much fiather, when we get down to — I would like to reverse items seven and eight when we get that for along. I would like to do eight before seven.	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	But we also expect the workload to decrease greatly in an essentially proportional amount. Should I keep going with the rest, or do you want to discuss that one? CHAIRMAN DUANE WINEGARDNER: No. Let's – does amyone have any questions or – (No response.) MR. GREG CARR: All right. Fantastic. CHAIRMAN DUANE WINEGARDNER: Go ahead. MR. GREG CARR: All right. Secondly, also near the bottom of Page 5 in the same Section on 626, we are recloing the – we are removing the rechandant word "means." You can see it's been crossed out. And then moving to Chapter 631, looking at Page 2 now. MS. SHELLIE CHARD: Grey, need to vote on that. MR. GREG CARR: Imsorry? MS. SHELLIE CHARD: Before you move on, the Council needs to take action on this chapter. MR. GREG CARR. Okay.
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	MR. MARK MATHESON: Yes. MS. QURANA FIELDS: Mr. Nelson? MR. JON NELSON: Yes. MS. QUIANA FIELDS: Mr. Rodriguez? MR. JIM RODRIGUEZ: Yes. MS. QUIANA FIELDS: Mr. Short? VICE CHAIRMAN JEFF SHORT: Yes. MS. QUIANA FIELDS: Ms. Wyatt? MS. TERRY WYATT: Yes. MS. QUIANA FIELDS: Mr. Winegardner? CHAIRMAN DUANE WINEGARDNER: Yes. MS. QUIANA FIELDS: Motion passed. CHAIRMAN DUANE WINEGARDNER: Okay. Very good. Now we have before us — oh, before we go too much further, when we get down to — I would like to reverse items seven and eight when we get that far along. I would like to do eight before seven. Okay. Now, going back to number five, Permanent	3 4 5 6 7 9 10 11 12 13 14 15 16 17 18 19 20	But we also expect the workload to decrease greatly in an essentially proportional amount. Should I keep going with the rest, or do you want to discuss that one? CHAIRMAN DUANE WINEGARDNER: No. Let's – does anyone have any questions or – (No response.) MR. GREG CARR: All right. Fantastic. CHAIRMAN DUANE WINEGARDNER: Go ahead. MR. GREG CARR: All right. Secondly, also near the bottom of Page 5 in the same Section on 626, we are realoing the – we are removing the redandant word "means." You can see it's been crossed out. And then moving to Chapter 631, looking at Page 2 now. MS. SHELLIE CHARD: Greg, need to vote on that. MR. GREG CARR: I'm sorry? MS. SHELLIE CHARD: Before you move on, the Council needs to take action on this chapter. MR. GREG CARR. Okay. MR. MARK MATHESON: Well, I've read through those
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	MR. MARK MATHESON: Yes. MS. QURANA FIELDS: Mr. Nelson? MR. JON NELSON: Yes. MS. QUIANA FIELDS: Mr. Rodriguez? MR. JIM RODRIGUEZ: Yes. MS. QUIANA FIELDS: Mr. Short? VICE CHAIRMAN JEFF SHORT: Yes. MS. QUIANA FIELDS: Ms. Wyatt? MS. TERRY WYATT: Yes. MS. QUIANA FIELDS: Mr. Winegardner? CHAIRMAN DUANE WINEGARDNER. Yes. MS. QUIANA FIELDS: Motion passed. CHAIRMAN DUANE WINEGARDNER. Okay. Very good. Now we have before us — oh, before we go too much finther, when we get down to — I would like to reverse items seven and eight when we get that far along. I would like to do eight before seven. Okay. Now, going back to number five, Permanent Rulemaking for Public Water Supply Construction Standards.	3 4 5 6 7 9 10 11 12 13 14 15 16 17 18 19 20 21	But we also expect the workload to decrease greatly in an essentially proportional amount. Should I keep going with the rest, or do you want to discuss that one? CHAIRMAN DUANE WINEGARDNER: No. Let's – does amyone have any questions or – (No response.) MR. GREG CARR: All right. Fantastic. CHAIRMAN DUANE WINEGARDNER: Go ahead. MR. GREG CARR: All right. Secondly, also near the bottom of Page 5 in the same Section on 626, we are recloing the – we are removing the rechandant word "means." You can see it's been crossed out. And then moving to Chapter 631, looking at Page 2 now. MS. SHELLIE CHARD: Grey, need to vote on that. MR. GREG CARR: Imsorry? MS. SHELLIE CHARD: Before you move on, the Council needs to take action on this chapter. MR. GREG CARR. Okay.
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	MR. MARK MATHESON: Yes. MS. QURANA FIELDS: Mr. Nelson? MR. JON NELSON: Yes. MS. QUIANA FIELDS: Mr. Rodriguez? MR. JIM RODRIGUEZ: Yes. MS. QUIANA FIELDS: Mr. Short? VICE CHAIRMAN JEFF SHORT: Yes. MS. QUIANA FIELDS: Ms. Wyatt? MS. TERRY WYATT: Yes. MS. QURANA FIELDS: Mr. Winegardner? CHAIRMAN DUANE WINEGARDNER. Yes. MS. QUIANA FIELDS: Motion passed. CHAIRMAN DUANE WINEGARDNER. Okay. Very good. Now we have before us — oh, before we go too much finther, when we get down to — I would like to reverse items seven and eight when we get that far along. I would like to do eight before seven. Okay. Now, going back to number five, Permanent Rulemsking for Public Water Supply Construction Standards. Greg Carr is going to —	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	But we also expect the workload to decrease greatly in an essentially proportional amount. Should I keep going with the rest, or do you want to discuss that one? CHAIRMAN DUANE WINEGARDNER: No. Let's – does amone have any questions or – (No response.) MR. GREG CARR: All right. Fantastic. CHAIRMAN DUANE WINEGARDNER: Go ahead. MR. GREG CARR: All right. Secondly, also near the bottom of Page 5 in the same Section on 626, we are realoing the – we are removing the redundant word "means." You can see it's been crossed out. And then moving to Chapter 631, looking at Page 2 now. MS. SHELLIE CHARD: Greg, need to vote on that. MR. GREG CARR: I'm sorry? MS. SHELLIE CHARD: Before you move on, the Council needs to take action on this chapter. MR. GREG CARR. Okay. MR. MARK MATHESON: Well, I've read through those pretty extensively and I make a motion that we approve them as written.
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	MR. MARK MATHESON: Yes. MS. QURANA FIELDS: Mr. Nelson? MR. JON NELSON: Yes. MS. QUIANA FIELDS: Mr. Rodriguez? MR. JIM RODRIGUEZ: Yes. MS. QUIANA FIELDS: Mr. Short? VICE CHAIRMAN JEFF SHORT: Yes. MS. QUIANA FIELDS: Ms. Wyatt? MS. TERRY WYATT: Yes. MS. QURANA FIELDS: Mr. Winegardner? CHAIRMAN DUANE WINEGARDNER: Yes. MS. QUIANA FIELDS: Motion passed. CHAIRMAN DUANE WINEGARDNER: Okay, Very good. Now we have before us — oh, before we go too much finther, when we get down to — I would like to reverse items seven and eight when we get that far along. I would like to do eight before seven. Okay. Now, going back to number five, Permanent Rulemaking for Public Water Supply Construction Standards. Greg Carr is going to — MR. GREG CARR: Yes, sir. All right. Hello.	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	But we also expect the workload to decrease greatly in an essentially proportional amount. Should I keep going with the rest, or do you want to discuss that one? CHAIRMAN DUANE WINEGARDNER: No. Let's – does amone have any questions or – (No response.) MR. GREG CARR: All right. Fantastic. CHAIRMAN DUANE WINEGARDNER: Go ahead. MR. GREG CARR: All right. Secondly, also near the bottom of Page 5 in the same Section on 626, we are recloing the – we are removing the rechandant word "means." You can see it's been crossed out. And then moving to Chapter 631, looking at Page 2 now. MS. SHELLIE CHARD: Greg, need to vote on that. MR. GREG CARR: Im sorry? MS. SHELLIE CHARD: Before you move on, the Council needs to take action on this chapter. MR. GREG CARR. Okay. MR. MARK MATHESON: Well, I've read through those pretty extensively and I make a motion that we approve them

_	Page 10		Page 12
1	discussion from the board members?	1	40 CFR (4).
2	(No response.)	2	And then Page 4, in the middle - close to the middle,
3	CHAIRMAN DUANE WINEGARDNER: Personally, I think	3	we added "Stability to calcium carbonate." And that was
4	this is a very good idea to clarify this.	4	just omitted before. It just hung at "and" previously,
5	Are there any comments from the public?	5	Then is all.
6	(No response.)	- 6	CHAIRMAN DUANE WINEGARDNER: Okay Discussion?
7	CHAIRMAN DUANE WINEGARDNER: Okay, Hearing	7	Any comments from the board?
l e	none	В	(No response.)
9	MR. GREG CARR. Fantastic.	9	CHAIRMAN DUANE WINEGARDNER: Any comments from the
10	CHAIRMAN DUANE WINEGARDNER: - then let's	10	public on this."
11	proced	11	(No response.)
12	MR. GREG CARR. Thank you, sir.	12	MR. JON NELSON: Move approval.
13	Moving on to chapters —	13	MR. BRIAN DUZAN: Second.
14	MS. SHELLJE CHARD: Hold up, hold up.	14	CHAIRMAN DUANE WINEGARDNER: Moved and seconded
15	MS. QUIANA FIELDS: 1 kmc – we need a roll call	15	
16	*		Olay,
17	VOIC.	16	MS. QUIANA FIELDS: Mr. Duzan?
18	MR. GREG CARR: Oh, so eager.	17	MIR. BRIAN DUZAN: Yes.
	NIS. QUIANA FIELDS: Mr Duzan?	10	MS. QUIANA FIELDS: Mr. Matheson?
19	MR. BRIAN DUZAN; Yes.	19	MR. MARK MATHESON: Yes
20	MS. QUANA FIELDS: Mr. Matheson?	20	NIS. QUIANA FIELDS: Nr. Nelson?
21	MR. MARK MATHESON: Yes.	21	MR JON NELSON: Yes
22	MS. QUIANA FIELDS: Mr. Nelson?	22	MS. QUIANA FIELDS: Mr. Rodriguez?
23	MR. JON NELSON: Yes.	23	MR. JIM RODRIGUEZ: Yes.
24	MS, QUIANA FIELDS: Mr. Rodriguez?	24	MS. QUIANA FIELDS: Mr. Short?
25	MR. JIM RODRIGUEZ. Yes.	25	VICE CHAIRMAN JEFF SHORT: Yes.
	Page 11		Page 13
l ,	MS. QUIANA FIELDS: Mr. Short?	1	· · · · · · · · · · · · · · · · · · ·
2	VICE CHAIRMAN JEFF SHORT: Yes.	2	MS. QUIANA FIELDS: Ms. Wyan? MS. TERRY WYATT: Yes.
] 3	MS. QUIANA FIELDS: Ms. Wyatt?	3	
4	MS. TERRY WYATT: Yes.	4	MS. QUANA FIELDS: Mr. Winegardner?
5	MS. QUIANA FIELDS: Mr. Winegardner?	5	CTIVIRMAN DUANE WINEGARDNER; Yes.
6		6	MS. QUIANA FIELDS: Motion passed.
, ,	CHAIRMAN DUANE WINEGARDNER: Yes.	7	CHAIRMAN DUANE WINEGARDNER: Thank you
'	MS. QUIANA FIELDS: Motion passed.		MR. GREG CARR: Thank you.
1 *	CHAIRMAN DUANE WINEGARDNER: Thank you.	8	CHAIRMAN DUANE WINEGARDNER. Okay. Now, let's
9	Okay. Lead us on through 631.	9	tackle number eight, Permanent Rulemaking, Aquifer Storage
10	MR. GREG CARR: 631, yes, sir. So this is a	10	and Recovery.
11	Public Water Supply operation so we're looking at Page 2.	11	MS. HILLARY YOUNG: Im Hillary Young, our Chief
12	Let's see here. Make sure I'm at the right spot. And you	12	Engineer of the Land Protection Division, and III be
13	can see near the top of Page 2 we're just changing the	13	presenting Chapter 653, Aquifer Store and Recovery, for your
14	Public Water Supply system definition to make it emissistent	14	\utc.
15	with — as we previously discussed.	15	DEQ has created a new chapter 653, Aquifer Storage and
16	At the bottom of Page 2, we're changing the date of	16	Recovery to allow for a regulatory structure for an aquifer
17	incorporation by a reference with certain federal rules.	17	storage and recovery program. The proposed rules will
18	We're bringing that up to spec with January 1st, 2017.	18	enable DEQ to issue permits to those who wish to undertake
19	You'll see the old date was July 1st, 2015.	19	an ASR project.
20	Let's see. We also have - and then specifically	20	The proposed rules establish a multi-phase permitting
21	that - that will actually allow some alternative testing	21	process, requirements for the construction and operation of
22	methods for coliforms. It's part of the new CFR,	22	an ASR project and appropriate testing and modeling to
23	And then also we have near page - on Page 3, near the	23	ensure a project is feasible and that the angifer is not
24	middle, we've added the word "reporting" as there were some	24	hamed.
25	additional reporting requirements that have been added to	25	As you may recall from the last Council meeting.
		l	

7

8

9

13

18

19

20

21

22

23

24

25

6

7

18

19

20

21

Page 14

9

10

11

12

13

14

15

16

25

4

5

6

7

в

9

10

11

- Chapter 653 consists of six subchapters. They are General 1 2 Provisions, Raw Water and Aquifer Characterization, ASR
- 3 Treatment Plant Construction, ASR Water Delivery
- 4 Construction, Aquifer Storage and Recovery Operations and 5
 - Cost Estimates and Financial Assurance.

Now, I'd like to give you a brief overview of how an ASR project will proceed under these rules. So that if we have an applicant that wants to come in and put in an ASR.

facility, this is what they would do under these rules.

10 First of all, they need to put together a statement of 11 interest, which is just a general discussion of the planned 12 ASR project to include such information as location, source

of the raw water, what's in the area, such as springs and rivers; legal access to the property, any water rights. And

14 15 then they're required to have an initial meeting with DEQ.

16 This is to discuss the project and evaluate the project's 17 viability to ensure if there's an red flags or any project

stoppers at the beginning, that we identify them upfront.

This is also the beginning of the DEQ and the applicant working together, and this relationship will continue throughout the permitting process so that we have a smooth transition through the entire process.

The next thing that the applicant would need to do is a raw water and aquifer characterization. So they would need to submit a plan to DEQ to evaluate the raw water. You

Page 16

- 1 the way that they had assumed it would operate when they 2 designed it.
- 3 The applicant will take this information, from testing
- 4 the ASR facility as constructed, and use it to submit an 5 operating permit application. The application will include
- 6 such things as operating, maintenance and monitoring and
- 7 reporting requirements, as well as contingency plans. Also
- needed is for the facility to establish financial assurance
 - for closure prior to facility operation.

And then issuance of the operating permit will include specific conditions for operating - operation and monitoring of the facility.

Now, DEQ has not received any formal comments on these rules. However, we did receive feedback at the last Council. meeting, and as a result -- and at the public meetings. We had three public meetings, as well - and public meetings.

17 And as a result, DEQ made some minor changes and 18 clarifications since the last Council meeting.

19 No substantial changes were made. The more noteworthy 20 changes include the addition of the definition of "aquifer,"

21 which states "for the purposes of this Chapter, means a 22 subsurface water-bearing zone limited in extent by the area

23 of hydrologic effect associated with the ASR project." 24

We also included an additional exclusion to the definition of "Aquifer Storage and Recovery." And it

Page 15

- 1 know, where is the raw water coming from, what kind of 2 constituents are in it, and also evaluate the aquifer and
- 3 the geology. Again, what kind of constituents are in the
- 4 aquifer, how quickly does the groundwater move, what about
- 5 the aquifer media, that type of information.

So once the plan is approved, the applicant will proceed with their characterization. And then once that -

Ð they get the information that they need, then they will

9 prepare a report and they will take that information to

10 determine whether or not they need an ASR water treatment

11 plant. So depending on the raw water source and the

12 aquifer, the characteristics of the aquifer, they will make

13 a determination on whether the water needs to be treated 14 prior to delivering to the aquifer. And if so, they need to

15 submit an application for an ASR treatment plant

16 construction permit. 17

And the applicant will also need to take that information and submit an application for an ASR water delivery mechanism construction permit. So this would be for the recharged wells, infiltration basin or other water delivery mechanism.

22 After the construction permit is evaluated and issued, 23 they will - the applicant would construct the water

24 delivery, the ASR facility and run tests. So they will do 25 pilot testing to ensure the facility is going to operate in

Page 17

- 1 exclusively states that ASR activities do not include
- 2 groundwater recharge or augmentation from nonpoint source, 3
 - runoff or stormwater discharge under the jurisdiction of the
 - Department of AG.

And this would include runoff from such things as agricultural crop production, agricultural services,

livestock production, feed yards, livestock markets and

We also specifically stated that ASR does not constitute water reuse, and this is to eliminate any confusion between the ASR rules and the water reuse rules.

12 So if you're doing an ASR project, you just look at the ASR 13 rules

14 We also included the definition of "Stored Water" --15 added the definition of "Stored Water" to say that it means 16 that - "it is water in an aquifer that has been delivered 17 pursuant to the ASR project." So this way it's distinct

18 from the water that's currently in the aquifer, so you have 19 the stored water that's delivered and then water in the

20 aquifer. 21 We also added 653-1-10, which is notifications. And as

22 part of the permitting process, the applicant has to notify, by certified mail, all persons who own the land or reside on

23 24 the land that directly overlies any part of the aquifer.

25 Additionally, the applicant has to notify oil and natural

Page 18 Page 20 1 gas associations that represent mineral rights owners. 1 everybody is on board. 2 And finally, the other noteworthy addition was in 2 Procedurally, they would get a permit from DEQ. After subchapter five, 653-5-4, we added an operator certification 3 3 they get the permit from DEQ, then they get a permit from 4 requirement for the ASR treatment plant. 4 the Water Board for water rights. 5 Okay. Are there any questions? 5 MR. JON NELSON: Okay. So there is a procedure 6 MR. JON NELSON: Hillary, all landowners above the 6 they'll have to go through to reconcile that? 7 entire aquifer? 7 MR. SABA TAHMASSEBI: Correct, 8 MS. HILLARY YOUNG: Aquifer as its defined in our 8 MR. JON NELSON: Okay. 9 rules, which would --9 MR. SABA TAHMASSEBI: And that's -- that's spelled 10 MR. JON NELSON: Okav. 10 out in Senate Bill 1219 last year. 11 MS. HILLARY YOUNG: - which would mean the 11 MR. JON NELSON: Okay. Hillary, is there a 12 subsurface water-bearing zone limited in extent by the area 12 required pilot test on every one of these? 13 of hydrologic effect. And as you'll recall, the area of 13 MS. HILLARY YOUNG: Yes. 14 hydrologic effect is also defined. And it means "the area 14 MR. JON NELSON: Okay. And they'll have to have 15 determined by the projected extent of the underground stored 15 some kind of an interim permit to do that or -16 MS. HILLARY YOUNG: The pilot testing and facility water as calculated by using site-specific hydrogeologic 16 17 information, and as influenced by the specific design and 17 construction will be part of the construction permit. 18 anticipated operation." So it would be any area that's 18 MR. JON NELSON: Oh, it would be? Okay. 19 affected by the project, so it wouldn't just be the - an 19 MS. HILLARY YOUNG: Right. 20 infinite aquifer, just any area that's affected by the 20 MR. JON NELSON: All right. Lastly - and I hate 21 project. 21 to - I don't want to get in the way. 22 MR. JON NELSON: As vetted by DEQ? 22 Lastly, Im - it seems like the - the water quality 23 MS. HILLARY YOUNG: Right. 23 requirements, that will be - will have to be met to do this 24 MR. JON NELSON: Okay. I'm still a little 24 are rather loose at this point. They're really - I mean. 25 confused as to how - I guess, stored water, the water that 25 it's really up -- just up to DEQ to decide based on the --Page 19 Page 21 1 they will store in the aquifer, is - they put it in the 1 what their -2 aquifers to use, right? 2 MR. MARK MATHESON: Quality of the aquifers. 3 MS. HILLARY YOUNG: Right. 3 MR. JON NELSON: Yeah. 4 MR. JON NELSON: So there's no water rights issues 4 MR. MARK MATHESON: Yeah, 5 that OWRB is concerned about, or is it clearcut? 5 MR. JON NELSON: I mean, are there no prohibitions 6 MS. HILLARY YOUNG: Well, what will happen is that 6 on certain parameters or constituents, or is it just subject 7 when they approach DEQ, first of all, we will involve the 7 to DEQ approval -8 Water Board in our initial meeting. And also, the Water 8 MS. HILLARY YOUNG: Well-9 Board requires an ASR, a water plan to -- to look at water 9 MR. JON NELSON: - based on the water aquifer? 10 rights. 10 MS. HILLARY YOUNG: It will be based on water 11 MR. SABA TAJIMASSEBI: Excuse me. You want me 11 quality standards that were passed by the Water Board. 12 10 --12 MR. JON NELSON: Okay. 13 Actually, the last year, the Legislature 13 MS. HILLARY YOUNG: And, of course, you know, I --14 Senate Bill 1219 was passed that paved the way for OWRB to 14 how the water -- the water that's delivered, we will be 15 issue water rights permits for ASR projects. Part of the 15 looking at the aquifer, the receiving aquifer, to determine reason we included a separate definition for stored water 16 16 how that water needs to be treated. Because we don't want 17 was to alleviate any future confusion that might arise from 17 to have any kind of issues with the aquifer based on any of 18 this. That Senate Bill 1219 and Water Board right now is 18 these activities. 19 developing rules for how they're going to issue permits for 19 MR. JON NELSON: Okay. So it's not just a water 20 water rights for ASR. 20 quality standard, it's also how the reclaimed water and 21 But then a prerequisite to those water rights permits 21 stored water will interact with the current water? 22 is a permit from DEQ, which is what Hillary is talking 22 MS. HILLARY YOUNG: Right. 23 about. So once an applicant wants to do ASR, it's so 23 MR. JON NELSON: Because there's some complex -24 crucial that they meet with both DEQ and Water Board at the 24 MS. HILLARY YOUNG: Right. Because you don't -25

you know, if you - if you deliver water and, for instance,

25

same time so that there's no duplication of effort and

Page 22 Page 24 1 the aquifer media has arsenic and you - we want to be 1 MR. JON NELSON: Right. 2 careful not to release arsenie -2 MS. HILLARY YOUNG: So that's why, you know, we 3 MR. JON NELSON: Right. 3 have three permits here that the applicant has to go MS. HILLARY YOUNG: - into the groundwater, 4 4 through. It's going to be - it's a lengthy process to 5 MR. JON NELSON: Yeah. 5 review. And all of that is with the idea that we want to 6 MS. HILLARY YOUNG: So things like that will be 6 protect the aquifers and ensure that this is done in the 7 evaluated. 7 safest way possible. 8 MR. JON NELSON: Okay. So there's not really any MR. SABA TAHMASSEBI: Jon, may I also add -9 standard - I mean, there's so many possibilities there, you 9 Hillary, yes. 10 really can't almost set a standard. It's going to have to 10 You see, I understand your point that the rules don't 11 be on a case-by-case basis. 11 have a lot of requirements and meat in them, and they -12 MS. HILLARY YOUNG! That's right. It will be 12 MR. JON NELSON: I'm just not used to that, 13 case-by-case. 13 MR. SABA TAHMASSEBI: Yes, yes. Well, actually, 14 MR. JON NELSON: But there's no -- that 14 to me - to me, that is one of the strengths of the - of 15 negative effect will be allowed, and that's basically a 15 the rule. Because we could start from vacuum and come up 16 standard. 16 with great detailed requirements that we're generating in 17 MS. HILLARY YOUNG: Right. 17 vacuum and take our time, several years, to write the rules 10 MR. JON NELSON: Okay. 18 and pass them and find out that they may not work. MR. SABA TAHMASSEBI: Yes. Actually, the - the 19 19 But here, what we've done, is a step-wise process. 20 standard part, as you're talking about, is addressed by the 20 First we have requirements for the characterization of the 21 Water Board rules that were passed last year. And I guess 21 water that is to be delivered. If it's river water, you 22 they just became effective or they're about to become 22 need to look at different time periods, look at the episodic 23 effective. And then Water Board, at the same time, is 23 events that might affect the quality of the water and all of 24 involved in other rulemaking for ASR, which I assume will be 24 25 implementation. That effort and our effort will be moving 25 Once that is -- that is characterized, then you Page 23 Page 25 1 in parallel. 1 characterize the water in the aquifer. And then to know to 2 So the standard part, we are not addressing that in 2 what level that water - delivered water needs to be 3 this rulemaking. This is what the Water Board has done. treated, then you go and do -- you do treatment of the 3 What we're doing here is limited to what Hillary is talking 4 4 water. 5 about. This is the scope of this. 5 So are our rules thin? Yes, they are. 6 MR. JON NELSON: Okay. I just -- we can really 6 But do we have experience in characterizing water? 7 get in trouble with this if it's not watched very closely. 7 Yes, we do. We have a ton of experience. 8 I mean, chemically and from - a number of ways, and I just я Do we have experience in design and permitting of 9 am concerned. This seems - still seems to be rather loose. 9 drinking water plants or wastewater plants? Yes, we have a 10 in that regard. I mean, I'm not sure there's even a 10 lot of experience in that. So we are relying on all of that 11 standard in here that talks about qualifications of the --11 to get that aspect of it done. 12 of the person that's doing the evaluation for the people who 12 So when the water is treated to the level that it needs 13 want to do the ASR. I - whoever does that needs to know 13 to get treated, then what's going to happen to the aquifer? 14 what they're doing. 14 The solution is going to be studied. Like Hillary -15 Your arsenic example was a good one. Right? 15 Hillary's example with arsenic. How is this? There's going

7 (Pages 22 to 25)

to be modeling, there's going to a pilot testing to see how

Even after you do that, there's going to be munitoring.

There's going to be monitoring. And this is all spelled out

concentration of a certain constituent starts to increase?

Then there are alert triggers that says, "Hey, you - you

hit an alert trigger. You're going to stop the injection.

And then after all of this, if there is an adverse to

that water interacts with the equifer media.

in the rules. And then - and then what if the

You're going to look into it."

16

17

18

19

20

21

22

23

24

25

MS. HILLARY YOUNG: Right. And here at DEQ, the

people evaluating would be geologists and engineers, and

it - you know, there would be a team of people looking at

it, as well as Water Quality on the water treatment plant

portion of it to ensure that the facility operates in a way

that is safe and would not endanger our drinking water

don't want to do anything that's going to jeopardize an

aquifer that you can drink straight out of.

Because you're exactly right. We don't want to - we

16

17

18

19

20

21

22

23

24

loo many.

Page 26 Page 28 1 an aquifer, then you have financial assurance for corrective 1 MR. SABA TAHMASSEBI: Right, 2 action for folks to clean it up. So when you look at the 2 MR, JON NELSON: There's too many possibilities. 3 process from the beginning to the end, it's a very robust 3 But you can at least make sure that they're doing what they 4 process. But then the details are not always there, so we 4 need to do upfront in the regulations to be absolutely sure 5 understand that 5 we're not going in some direction we don't want to go. So 6 In order to alleviate that, what we did is that we I'm just concerned about it being loose to that degree, and 6 sponsored legislation, this past legislative session, and we I think they are things you could do to close it up, but... Ð passed - we sponsored a bill that put in place a system for ß MR. SABA TAHMASSEBI: So it would make you feel a limited scale ASR pilot projects to be permitted by DEQ. 9 better if on the chapter that talks about treatment of the 10 That law passed, and it doesn't require any regulations, so 3.0 raw water, for there to be a requirement for bench-scale 11 we didn't come through you all. But we did come up with a 11 testing to make sure that the treatment facility is carefule 12 set of requirements for people to follow in order to get the 12 of treating the water to the level that it needs to be 13 permits for that. 13 14 And we had our work group that is - consists of 14 MR. JON NELSON: Yeah. And you're not getting any 15 several State agencies, national experts on ASR and USGS and 15 unintended consequences that you can see. Because you can 16 OGS and GWPC and Oklahoma Legislature and other folks that 16 predict what's going to happen or you can predict the 17 reviewed and commented on that. And then that is on our 17 problem. You can predict the arsenic problem, but there may 13 webpage now for folks who - and for DEQ's sake. 18 be other things that happen that you don't predict. 19 If we don't know the answers to all of these parts that 19 MR. SABA TAHMASSEBI: At the aquifer for the -20 you're talking about, then you do these pilots to try to get 20 are you talking about raw water or are you talking about --21 the answers. 21 MR. JON NELSON: The raw - the raw water 22 MR. JON NELSON: Yeah, I - and I understand that, 22 interaction with the aquifer. 23 and I - I agree with the need for pilot. But I'm really 23 MR. SABA TAHMASSEBI: Oh, well, that's - there's 24 talking more about pre-pilot when they're starting to 24 a pilot testing for that, 25 propose the quality of the water that they're going to 25 MR. JON NELSON: Yeah. But I'm saying I think you Page 27 Page 29 1 inject. And it seems like I would -- and you might consider 1 need to step that up a level and make sure, before you do 2 the pilot testing, that you know what you're getting into 3 But I would feel a whole lot better if you require before you - you need - you need that information, to me, 4 bench-scale testing to establish that level of quality to do the pilot testing properly. before you move into the pilot. And I don't know if that's 5 5 MR. SABA TAHMASSEBI: Right. What if - what if in there or if it's something you feel like is necessary. 6 6 we address that by committing to writing a guidance for But I -- I'm just concerned a bit about how that's going to 7 pilot testing, and we can share that with you. 8 be evaluated and vetted before you start trying to do --MR. JON NELSON: Yesh. Maybe it's not - maybe Β 9 spend a lot of money with even a pilot test. 9 this isn't the best place for it, but I -10 MR. SABA TAHMASSEBI. You mean like a bench scale 10 MR. SABATAI MASSEBI: Yeah, 11 ntior to treatment of the raw water? 11 MR. JON NELSON: -- I think some procedures of 12 MR. JON NELSON: Uh-huh. 1.2 that nature would certainly make me feel better about it. 13 MR. SABA TAHMASSEBI: Well, that would be part of 13 MS. TERRY WYATT: Can I say something? 14 the - to me, that would be part of the raw water 14 MR. SABA TAHMASSEBI: Yesh. 15 construction -MS. TERRY WYATT: 1-15 16 MR. JON NELSON: At the --16 MR. SABA TAIBMASSEBL: 1 think - Shellie and 1 17 MR. SABA TAHMASSEBI: - which is not spelled out, 17 just talked and I think that we will make a commitment to 18 MR. JON NELSON: At DEO's discretion? 18 provide some guidance on the pilot testing. I think that's 19 MR, SABA TAHMASSEBI: Yes. 19 a १५००चे constituti. 20 MR. JON NELSON: And what I'm saying is I'm not so CHAIRMAN DUANE WINEGARDNER: You lead a question? 20 21 sure it shouldn't be spelled out. I mean, there's some -21 MS. TERRY WYATT: Okay. My question is: Isn't there's a lot of complex chemical reactions that could take 22 22 that why we have the employees that are specialized in all 23 place and do a lot of bad things. I mean, there's so many, 23 of this, to judge these pilot programs with what they think 24 you can't -- you can't put them in the regs today; there's 24 is already there instead of going in and putting more rules

for them to go by, that use their knowledge, that they're

25

	Page 30		Page 32
1	not going to have a pilot testing program that they have any	1	_
2	duestions on	2	MS QUIANA FIELDS: Ms. Wyatt?
] 3	MS. HILLARY YOUNG: Well, I think the rules are	3	MS. TERRY WYATT: Yes.
4	like they are to – to be flexible and to be able to have	[MS. QUIANA FIELDS; Mr. Winegardner? CHAIRMAN DUANE WINEGARDNER: Yes.
5	different types of, you know, water sources and depending on	5	
6	where the facility would be located. And while, yes, we	6	MS. QUIANA FIELDS: Motion passel. CHAIRMAN DUANE WINEGARDNER. Okay. With that, now.
7	have — the people that we have, have expertise on this and	7	- · · · · · · · · · · · · · · · · · · ·
a	have expertise in a lot of areas in geology, as far as	á	let's go back to item number seven, which is the Rules of Practice to accomplish 653.
9	engineering and construction of something that would be	9	Vi. •
10	similar to this.	10	MS. HILLARY YOUNG: 1 am now presenting changes to Chapter 4, Rules of Practice and Procedure for your vote.
11	But ultimately, the reason why the rules are flexible	111	This rulemaking is to create three new sections, 252 4-7-79
12	is just so that we don't pigeonhole ourselves into something	12	
13	and then somebody wants to come in and do something that's	13	through 81 for Aquifer Storage and Recovery applications within Part 7 Water Quality Division Tiers and Timelines of
14	completely out of that's not allowed by rules, then	14	Subchapter 7.
15	that's why they're as flexible as they are.	15	•
16	MS TERRY WYATT: Lauree.	16	The proposed rulemaking will make it possible to apply
17	MR. JON NELSON: And I'm comfortable today that	17	to DEQ for permits required for an ASR project. DEQ has not received any formal comments on these rules.
18	DEO has the staff to handle this. But the direction that	19	
19	this legislature is going from not sure you will have	19	Now, as you can see, these rules specify which process
20	tomorrow.	20	specific permitting actions fall under of the three tiers. So the Tier I mainly have modifications. And then under
21	(Laudier)	21	
22	MS. TERRY WYATT: Point taken.	22	Tier II, you'll find ASR treatment plant construction
23	CHAIRMAN DUANE WINEGARDNER: Yeah, Well, that's	23	permit. That would be a Tier II process. And then for the
24	all right.	24	ASR water delivery construction permit and the ASR operating permit, those are both Tier III permits.
25	Olay Are there any other comments or questions from	25	Are there any questions?
107	any recurred any same any residence of decreases some		record any qualities:
	Page 31		Page 33
1	the Board?	1	CHARMAN DUANE WINEGARDNER: Questions, comments?
2	(No response.)	2	(No response.)
3	CHAIRMAN DUANE WINEGARDNER. How about from the	3	CHAIRMAN DUANE WINEGARDNER: I think part of this
4	public, are there any comments or questions?	4	addresses some of your concerns because we have the tiers.
5	(No response.)	5	And if there's a question, you're probably going to burn it
- 6	CHAIRMAN DUANE WINEGARDNER: Okay Well, then do	6	to the next tier.
7	you wish to offer an amendment?	7	MS. HILLARY YOUNG: Well, the tiers are set up for
8	MR. JON NELSON: No, I'm satisfied.	a	public participation. So with each tier, there's an
9	CHAIRMAN DUANE WINEGARDNER, Okay You're	9	increased level of public participation. Tier I doesn't
10	satisfied. All right. Then [will call for a motion.	10	have any public participation.
11	MS. TERRY WYATT: I make a motion we approve.	11	Tier II, you know, you have the Notice of Filing and
12	CHAIRMAN DUANE WINEGARDNER: Motion to approve.	12	then the publication of the draft permit where the public
13	MR. MARK MATHESON And I'll second it.	13	has the opportunity to comment or request a public meeting.
14	CHAIRMAN DUANE WINEGARDNER: Thave a second.	14	And then for Tier III, we have the Tier II
15	Okay	15	requirements. And on top of that, when you do - when a
1€	MS. QUIANA FIELDS Mr. Duzzn*	16	Notice of Filing is published, the public has the
17	MR. BRIAN DUZAN: Yes,	17	opportunity to request a process meeting. And that's where
18	MS. QUIANA FIELDS: Mr. Matheson?	18	DEQ would go out and explain our permitting process to the
19	MR. MARK MATHESON: Yes.	19	public, because they they don't always know how that
20	MS. QUIANA FIELDS: Mr. Nelson?	20	how that runs, and tell them where it is they can insert
	MR. JON NELSON: Yes.	21	themselves into the permitting process.
21		2.2	
21 22	MS. QUIANA FIELDS: Mr. Rodriguez?	2.2	And, then of course, we have the publication of the
	MS. QUIANA FIELDS: Mr. Rodriguez? MR. MM RODRIGUEZ: Yes.	23	And, then of course, we have the publication of the draft permit and the opportunity to construct and recuest a
22			And, then of course, we have the publication of the draft permit and the opportunity to comment and request a meeting.
22 23	MR. JIM RODRIGUEZ: Yes.	23	draft permit and the opportunity to comment and request a

1 publication of a proposal permit and the operationary for the public to request an administrative basing, Aud if one is parted, they would go before an administrative law judge and the baw judge would probe from an administrative law judge and the baw judge would probe from an administrative law judge and the baw judge would be made by the exercise of affector of DED. 1 CHARMAN DUANE WINECARDNER. Are there questions or commercial? 2 VICE CHARMAN DEFF SHORT. What is the resistance for protting the construction of a measurem plant as a second and the protection of a measurem plant as a second and the protection of a measurem plant as a second and the protection of a measurem plant as a second and protection of a measurem plant as a second and protection of a measurem plant as a second and protection of a measurem plant as a second and protection of a measurem plant as a second and protection of a measurem plant as a second and protection of a protection of a measurem plant as a second and protection of a measurem plant as a second and protection of a measurem plant as a second and protection of a measurem plant as a second and protection of a measurem plant as a second and protection of a measurem plant as a second and protection of a measurem plant as a second and protection of a measurem plant as a second and protection of a measurem plant as a second and protection of a measurem plant as a second and protection of a measurem plant as a second and plant as a measure to do duar? 1 MR JON NELSON: But show they can plug in before the public as a measure to		Page 34		Page 36
and the low yould go before an administrative low judge and the lo	1	publication of a proposed permit and the opportunity for the	1	MR. JIM RODRIGUEZ: So move.
and the Inv judge would make a decision. And then directed to find decision would be made by the executive directed to GDCQ. CLURRIAND LUANE WINECARDNER. Are there questions or comments? WCE CHARRAM JEFF SHORT. What is the rationale for putting the construction of a treatment plant at a Title II versus the construction of the — or the water divivey construction praint and the operations premit as Title II versus the construction of the — or the water divivey construction praint and the operations premit as Title II versus the construction of the — or the water divivey construction praint and the operations premit as Title II versus the construction of the — or the water divivey construction praint and the operations premit as Title II versus the construction of the — or the water Als. IRILARY YOUNG: We were sping to be to divivey construction praint and the operation premit as the construction of the — or the water divivey construction praint is supplied to be constructed to the decision would be made the operation premit as the construction of the — or the water divivey construction praint and the operation premit as the construction of the — or the water divivey construction praint as the operation premit as the first II replications. And the reason sky we have Title III applications. And the reason sky we have Title III applications. And the reason sky we have Title III applications. And the reason sky we have Title III applications. And the reason sky we have Title III applications. And the reason sky we have Title III applications. And the reason sky we have Title III applications. And the reason sky we have Title III applications. And the reason sky we have Title III applications. And the reason sky we have Title III applications. And the reason sky we have Title III applications. And the reason sky we have Title III applications. And the reason sky we have Title III applications. And II	12	public to request an administrative hearing. And if one is	2	CHAIRMAN DUANE WINEGARDNER: So moved.
thimstely the final decision would be made by the executive decistor of DEQ. CHARMAN DUANE WINEGARDNER, Are there questions or comments? Vice CHARMAN EFF SHORT: What is the rationale for patting the construction of a treatment plant as a Tieff I versus the construction of a treatment plant as a Tieff I versus the construction of a treatment plant as a Tieff I versus the construction of a treatment plant as a Tieff I versus the construction of a treatment plant as a Tieff I versus the construction of a treatment plant as a Tieff I versus the construction of a treatment plant as a Tieff I versus the construction of the — or the water delivery construction permit as the partition of the — or the water delivery construction permit is the construction of the — or the water delivery construction permit is the construction between the properties of the construction permit is tissued. There is a means to de that? And the reason why we have Tieff IIIs for the water delivery construction permit is tissued. There is a means to de that? And the reason why we have Tieff IIIs for the water delivery construction permit is tissued. There is a means to de that? And the reason why we have Tieff IIIs for the water delivery construction permit is tissued. There is a means to de that? And the process is spent. Page 35 Page 35 Page 37 Pa	3	granted, they would go before an administrative law judge	3	MR. BRIAN DUZAN: Second
director of DEQ. CILURRANA DIANE WINEGARDNER, Are there questions or comments? WCE CHARRANA IEEF SIDKT. What is the rationale or posting the construction of the rot the water and divery construction of the rot the water and divery construction premit and the operations premit as a line of the construction of the rot the water and divery construction premit and the operations premit as a line of the construction of the rot the water and divery construction premit and the operations premit as a line of the divery construction premit and the operations premit as a line of the construction of the rot the water and the operation premit as a line of the divery construction premit water quality rules. I believe that they are Tiet It applications. And the reason sky we have Tie Ills for the water and they are Tiet It applications. And the reason sky we have Tiet Ills for the water and they are Tiet It applications. And the reason sky we have Tiet Ills for the water and the same fire operation premit is transported by the beam of your comments. And than's to ensure a line of the operation premit is transported by the water and they are Tiet It applications. And the reason sky we have Tiet Ills for the water and than's to ensure a line of the operation premit is transported by the water and they are Tiet It applies to sent of your comments and to ensure and to request a public mostly a process there where they have quite a few opportunities to epide in construction that it? MS. IBILARY YOUNG: For— MR. JON NELSON. Yeah. In fact, they'd have a copyle of opportunities because they have to do the pilot a spake mostly to the propose of the water water and to request a public mostly and the presentation. MS. IBILARY YOUNG: For— MR. JON NELSON. Yeah. In fact, they'd have a copyle of opportunity to comment and to request a public mostly and the propose of the water of the	4	and the law judge would make a decision. And then	4	CHAIRMAN DUANE WINEGARDNER: I have a second.
THE PROPERTY OF THE PROPERTY O	5	ultimately the final decision would be made by the executive	5	MS. QUIANA FIELDS: Mr. Duzan?
8 MR. MARK MATIESON: Yes. 10 for prunting the construction of a treatment plant as a 11 Ter II versus the construction of the —or the water 12 delivery construction permit and the operations permit as 13 Tier III? 14 MS. BILLARY YOUNG: We were pring to be 15 consistent which the current water quality rules. I believe that they are Tier II replications. 16 the through right to some of your comments. And that is currour that they construction permit is tissed. There is a means to do that? 18 delivery construction permit is the search of the water that place back to some of your comments. And that is currour that this process. 19 goes back to some of your comments. And that is currour that they construction permit is tissed. There is a means to do that? 20 construction permit is tissed. There is a means to do that? 21 MS. BILLARY YOUNG: Yes. 22 MR. KON NELSON: But they can plug in before the construction permit is tissed. There is a means to do that? 23 most surface is permit. 24 MS. BILLARY YOUNG: Yes. A Tier II still would have the expectation bar, or ber'ds studily a process there where they have quite a few opportunities to plagin, current? 24 Pagle: ANS. BILLARY YOUNG: For— 25 MR. KON NELSON: Yes. 26 MR. KON NELSON: That's important, as well, before Pagle: ANS. BILLARY YOUNG: Yes. A Tier II still would have the expectation bar, or ber'ds studily a process there where they have quite a few opportunities to plagin, current? 26 MR. KON NELSON: Yes. 27 MR. GREG CARR: Let me see if I can make this thing work here. Excellent. 28 MR. GREG CARR: Let me see if I can make this thing work here. Excellent. 29 MR. GREG CARR: Let me see if I can make this thing work here. Excellent. 29 MR. GREG CARR: Let me see if I can make this thing work here. Excellent. 29 MR. GREG CARR: Let me see if I can make this thing work here. Excellent. 29 MR. GREG CARR: Let me see if I can make this thing work here. Excellent. 29 MR. GREG CARR: Let me see if I can make this thing work here. Excellent. 29 MR. GREG CARR: Let me see if I can mak	6	director of DEQ.	6	MR. BRIAN DUZAN: Yes.
VICE CHARMAN JEFF SHORT: What is the rationale for putting the construction of a treatment plant as a late for putting the construction of the —or the water delivery construction permit and the operations permit as late life. The late area of the permit	7	CHAIRMAN DUANE WINEGARDNER. Are there questions	7	MS. QUIANA FIELDS: Mr. Matheson?
for patting the construction of a treatment plant as a fire R versus the construction of the —or the water delivery construction permit and the operations permit as fire RT. MS. IBILLARY YOUNG: We were pring to be to consistent with the current water quality rules. I believe that they are fire II applications. And the reason why we have fire III for the water delivery construction permit, the operation permits kind of gas back to some of your comments. And that's to creater that they be the save only one the rill file for the water dust the public has very operating to become involved in this process. NR. RON NELSON: But they can plug in before the construction permit is tissued. There is a means to do that? MS. IBILLARY YOUNG: Yes. A Tier II still would have a public notice of a draft permit, so they have — the public would have the opportunity to becomment one public would have the opportunity to comment and to request process there where they have quite a few opportunities to plug in, current? MS. IBILLARY YOUNG: For— MR. RON NELSON: Yes. MR. GREG CARR. Let in see if I can make this thing work here: Excellent. All right. This is — please note that these dara? In the money is spent. Page 35 We make you are the process the where they have quite a few opportunities to plug in, current? MR. RON NELSON: That's important, as well, before Page 36 MR. RON NELSON: The file of the water MR. RON NELSON: The file of the water file of the money is spent. MR. BILLARY YOUNG: For— MR. RON NELSON: The file of the water file of the construction that it is file of the construction that it's MR. BILLARY YOUNG: Right. MR. BILLARY		or comments?	8	MR. MARK MATHESON: Yes.
The Riversus the construction of the — or the water delivery construction premis and the operations permis as 12 MR. SQUANA FIELDS: Mr. Rodriguez* MR. JIM RODRIGUEZ. Yes. MR. SQUANA FIELDS: Mr. Short? MR. SQUANA FIELDS: Mr. Short? MR. JIM RODRIGUEZ. Yes. MR. SQUANA FIELDS: Mr. Wiscparther? MR. SQUANA	9	VICE CHAIRMAN JEFF SHORT: What is the rationale	9	MS. QUIANA FIELDS: Mr. Neison
delivery construction permit and the operations permit as ITE ITP ITE ITE ITE ITP ITE ITP ITE ITP ITE ITE ITE ITP ITE ITE ITE ITP ITE ITE ITE ITP ITE ITP ITE ITE ITE ITE	10	for putting the construction of a treatment plant as a	10	MR. JON NELSON; Yes.
Ter III' MS. HILLARY YOUNG: We were rying to be construction with the current water quality rules. I believe that they are Tier II applications. And the reason willy we have Tier III for the water that they are Tier II applications. And the reason willy we have Tier III for the water that they construction permit is life for the water that they construction permit is life for the water that they constructed permits. And that's to ensure that the public has every opportunity to become involved in this process. MR. FOR NELSON: But they can plug in before the construction permit is its issued? There is a means to do that? MS. FULLARY YOUNG: Yes. MR. JON NELSON: That's important, as well, before Page 35 Page 35 Page 37 I the money is spent. MS. HILLARY YOUNG: Yes. A Tier II sall would have the opportunity to comment and to request a public meeting. MS. HILLARY YOUNG: See— public would have the opportunity to comment and to request a public meeting. MS. HILLARY YOUNG: See— public would have the opportunity to comment and to request a public meeting. MS. HILLARY YOUNG: See— public would have the opportunity to comment and to request a public meeting. MS. HILLARY YOUNG: See— AMR. JON NELSON: Yest. In fact, they'd have a couple of opportunities because they have to do the pilot in great where they have quite a few opportunities to plug in, carrest? MS. GUANA FIELDS: M. Wyoung: MS. Myoung: CHARRAND BER. Mr. Wyoung: CHARRAND BER. Mr. Wyoung: CHARRAND BER. Mr. With ECARDNER. Thank you very much. MS. GUANA FIELDS: Mr. With Ecard Ber. Mr. MS. QUANA FIELDS: Mr. With Ecard Ber. Mr. Ms. GUANA FIELDS: Mr. Mr. Ms. GUANA FIELDS: Mr. Ms. Ms	11	Tier II versus the construction of the - or the water	11	MS. QUIANA FIELDS: Mr. Rodriguez?
MS. IBILARY YOUNG: We were trying to be consistent with the current water quality rules. I believe that the the transmit water quality rules. I believe that the public has every opportunity to become involved in that the public has every opportunity to become involved in that the public has every opportunity to become involved in this process. MR. FORN NELSON: But they can plug in before the construction permit is issued? There is a means to do that? MS. BULARY YOUNG: Twa. MS. BULARY YOUNG: Twa. MR. FORN NELSON: But they can plug in before the construction permit is issued? There is a means to do that? MS. BULARY YOUNG: Twa. MS. BULARY YOUNG: Twa. MR. FORN NELSON: That's important, as well, before Page 35 The money is spent. MR. FORN NELSON: That's important, as well, before Page 35 MR. FORN NELSON: That's important and to request a public motive of a droll permit, so they have — the public would have the opportunity to comment and to request a public motive of a droll permit, so there's actually a process here where they have quite a few opportunities to plug in, carrest? MR. FORN NELSON: Yeah. In fact, they'd have a couple of opportunities because they have quite a few opportunities to plug in, carrest? MR. FORN NELSON: Yeah. In fact, they'd have a couple of opportunities because they have quite a few opportunities to plug in, carrest? MR. FORN NELSON: Or no, the pilot is actually part of the construction. Intri it? MS. BULARY YOUNG: For— MR. FORN NELSON: Or no, the pilot is actually part of the construction. Intri it? MS. BULARY YOUNG: Right. MS. BULARY YOUNG: Twa. All right. This is — please note that these draft rules are on DEO's website. They're on the Water Quality of the currence of the construction. Intri it? MS. BULARY YOUNG: Twa. MR. GREG CARR: Let me see if! can make this through right quick. I think we've made some room over there. (Council members moved to view presentation.) MR. GREG CARR: Let me see if! can make this thing with fact. they can be water quality. If any bod	12	delivery construction permit and the operations permit as	12	MR. JIM RODRIGUEZ. Yes.
consistent with the current water quality rules. Thereive that they are Tier II spylicianions. And the reason why we have Tier IIIs for the water defined properties of the public has every opportunity to become involved in they are they have the public has every opportunity to become involved in they are they have they have the public has every opportunity to become involved in they are they have they have they have they have they have they applice motion for the couple of opportunity to become and to do that? The money is spent. Page 35 Page 35 Page 37 Page	13	Tier No:	13	MS. QUIANA FIELDS: Mr. Short?
that they are Titer II applications. And the reason why we have Titer III for the water additive gootstraction permit, the operation permits kind of that they public heaver involved in that the public has every opportunity to become involved in that the public has every opportunity to become involved in that the public has every opportunity to become involved in that the public has every opportunity to become involved in that the public has every opportunity to become involved in that the public has every opportunity to become involved in that the public has every opportunity to become involved in that the public has every opportunity to become involved in that the more in a means to do that? And the reason why we have Ter III is for the water construction permit is issued. There is a means to do that? And the reason why we have Ter III is for the water construction permit is issued. There is a means to do that? And the reason which we have a plug in before the construction permit is issued. There is a means to do that? And a provide the construction permit is issued. There is a means to do that? And the reason which we water that it is the construction permit is issued. There is a means to do that? And the reason which we have an it is sued. There is a means to do that? And it is process. Page 35 Page 37 If the money is spent. And it is only about ten slides that I'It walk through right quick. I think we've made some mon over there. If the money is spent. And it is only about ten slides that I'It walk through right quick. I think we've made some mon over there. If the money is spent. And it is only about ten slides that I'It walk through right quick. I think we've made some mon over there. If the money is spent. And it is only about ten slides that I'It walk through right quick. I think we've made some mon over there. If the money is spent. And it is only about ten slides that I'It walk through right quick. I think we've made some mon over there. If the money is spent. And it is only abo	14	MS. HILLARY YOUNG: We were trying to be	14	VICE CHAIRMAN JEFF SHORT, Yes.
And the reason why we have Tier Ills for the water delivery construction permits, the operation permits lind of goes back to some of your comments. And that's to ensure 1 you but the public has every opportunity to become imolved in this process. 20 that the public has sery opportunity to become imolved in this process. 21 MR, FON NELSON: But they can plug in before the 22 construction permit is issued? There is a means to do that? 22 MR, FON NELSON: There is a means to do that? 23 construction permit is issued? There is a means to do that? 24 MS, FILLARY YOUNG: Yes. 25 MR, FON NELSON: That's important, as well, before Page 35 1 the money is spent. 2 MS, HILLARY YOUNG: Yes. A Tier II still would have a public notice of a draft permit, so they have — the public would have the opportunity to comment and to request a public motion of proportunities because they have to do the pilot of pilog in, carest? MS, FILLARY YOUNG: For — MR, FON NELSON: Yesh, In fact, they'd have a couple of opportunities because they have to do the pilot of pilog in, carest? MS, BILLARY YOUNG: For — MR, FON NELSON: Yesh, In fact, they'd have a couple of opportunities because they have to do the pilot of the construction, lish it? MS, BILLARY YOUNG: For — MR, FON NELSON: Yesh, In fact, they'd have a down and the construction have, so there's actually a move of the construction have, so there's actually a may be pilot in actually part of the construction, lish it? MS, BILLARY YOUNG: For — MR, FON NELSON: Yesh, In sorry: firm—that's right. MS, BILLARY YOUNG: Yes, A Tier II still would the tensure of the water quality. If may be a public notice of a draft permit, so they have — the public notice of a draft permit, so they have — the public notice of a draft permit. So the public notice of a draft permit. So the public notice of a draft permit of the water quality if may be public notice of a draft permit. So the public notice of the water quality if may be public not may be public notice of a draft permit. So the public notice	15	consistent with the current water quality rules. I believe	15	MS. QUIANA FIELDS: Ms. Wyati?
delivery construction permit, the operation permits kind of goes back to some of your comments. And that's to ensure that the public has every opportunity to become involved in that the public has every opportunity to become involved in the public has every opportunity to become involved in the public has every opportunity to become involved in that the public has every opportunity to become involved in the public has every opportunity to become involved in the public has every opportunity to become involved in the public has every opportunity to become involved in the public has every opportunity to become involved in the public has every opportunity to become involved in the public has every opportunity to become involved in the public has every opportunity to become involved in the public has every opportunity to become involved in the public has every opportunity to become involved in the public has every opportunity to become involved in the public has every opportunity to become involved in the public has every opportunity to become involved in the public has every opportunity to become involved in the public has every opportunity to become involved in the public has every opportunity to become involved in the public has every opportunity to become involved in the public has every opportunity to become involved in the public has every opportunities because they have to do that? Page 35 Page 35 Page 37	16	that they are Tier II applications.	16	MS, TERRY WYATT: Yes.
delivery construction permit, the operation permits kind of goes back to some of your comments. And that to creature that public has every opportunity to become involved in this process. MR. FON NELSON: But they can plug in before the construction permit it issued." There is a means to do that? MR. FON NELSON: That's important, as well, before Page 35 MR. FON NELSON: That's important, as well, before Page 35 MR. FON NELSON: That's important, as well, before Page 35 MR. FON NELSON: That's important, as well, before Page 35 MR. FON NELSON: That's important, as well, before Page 35 MR. FON NELSON: That's important, as well, before Page 35 MR. FON NELSON: That's important, as well, before Page 36 MR. FON NELSON: That's important, as well, before Page 37 I the money is spent. MR. FILLARY YOUNG: Yes. A Tier II still would have a public notice of a draft permit, so they have — the public would have the opportunity to comment and to request a public notice of a draft permit, so they have — the public sould have the opportunity to comment and to request a public notice of a draft permit, so they have — the public would have the opportunity to comment and to request a public notice of a draft permit, so they have — the public would have the opportunity to comment and to request a public notice of a draft permit, so they have — the public would have the opportunity to comment and to request a public notice of a draft permit, so they have — the public would have the opportunity to comment and to request a public notice of a draft permit, so they have — the public would have the opportunity to comment and to request a public notice of a draft permit, so they have — the public would have the opportunity to comment and to request a public notice of a draft permit, so they have — the public would have the opportunity to comment and to request a public would have the opportunity to comment and to request a public notice of a draft permit, so they have — the public would have any help finding draft, let me kno	17	And the reason why we have Tier IIIs for the water	17	MS. QUIANA FIELDS: Mr. Wineszudner?
that the public has every opportunity to become involved in this process. It is process. In Jon Nielson: But they can plug in before the construction permit it issued." There is a means to do that? In Jon Nielson: That's important, as well, before Page 35 Page 35 It the money is spent. In Jon Nielson: That's important, as well, before Page 35 It the money is spent. In Jon Nielson: That's important, as well, before Page 35 It the money is spent. In Jon Nielson: That's important, as well, before Page 35 Page 37 It the money is spent. In Jon Nielson: That's important, as well, before Page 35 It the money is spent. In Jon Nielson: That's important, as well, before Page 35 Page 37 It the money is spent. In Jon Nielson: That's important, as well, before Page 35 Page 37 It the money is spent. In Jon Nielson: That's important, as well, before Page 36 Page 37 Page 37 It the money is spent. In Jon Nielson: That's important, as well, before Page 37 It the money is spent. In Jon Nielson: That's important, as well, before Page 36 Page 37 Page 37 Page 37 It the money is spent. It presentation. It's only about ten slides that I'll walk through right quick. I think we've made some room over there. It the money is spent. It presentation. It's only about ten slides that I'll walk through right quick. I think we've made some room over there. It the money is spent. It presentation. It's only about ten slides that I'll walk through right quick. I think we've made some room over there. It the money is spent. It presentation. It's only about ten slides that I'll walk through right quick. I think we've made some room over there. It the money is spent. It presentation. It's only about ten slides that I'll walk through right quick. I think we've made some room over there. It the money is spent. It presentation. It's only about ten slides that I'll walk through right quick. I think we've made some room over there. It through right quick. I think we've made some room over there. It the	19	delivery construction permit, the operation permits kind of	16	
that the public has every opportunity to become involved in this process. Nat. ION NELSON: But they can plug in before the construction permit is its sued? There is a means to do that? NS. BILLARY YOUNG: Yes. MR. JON NELSON: That's important, as well, before Page 35 Page 35 Page 35 Page 37 Page 4 Page 37 Page 37 Page 37 Page 4 Page 37 Page 4 Page 37 Page 37 Page 4 Page 37 Page 4 Page 37 Page 4 Page 37 Page 37 Page 4 Page 37 Page 4 Page 37 Page 4 Page 37 Page 4 Page	19	goes back to some of your comments. And that's to ensure	19	MS. OUIANA FIELDS: Motion rassed.
this process. MR. FON NELSON: But they can plug in before the construction permit is issued? There is a means to do that? NS. BILLARY YOUNG: Yes. MR. FON NELSON: That's important, as well, before Page 35 Page 35 Page 37 the money is spent. NS. BILLARY YOUNG: Yes. A fier II still would have the opportunity to comment and to request public moties of a draft permit, so they have – the public would have the opportunity to comment and to request public moties of proportunities because they have to do the pilot first and then the construction later, so there's actually a process there where they have quite a few opportunities to plug in, current? MR. FILLARY YOUNG: Yes. A fier II still would the public moties of a draft permit, so they have – the public moties of a draft permit, so they have – the public motining to comment and to request the public motining to a public motining to a public motining to protest there where they have quite a few opportunities to plug in, current? MR. FILLARY YOUNG: For – MR. GREG CARR: Let me see if I can make this thing work here. Excellent. All right. This is – please note that these draft rules are on DEO's website. They're on the Water Quality and Management Advisory page under the water quality. If anybody would like any help finding that, let me know and I are help you after the presentation. MR. JON NELSON: Or no, the pilot is actually part of the construction, isn't it? MR. FILLARY YOUNG: Right. MR. GREG CARR: Let me see if I can make this thing work here. Excellent. All right. This is – please note that these draft rules are on DEO's website. They're on the Water Quality and Management Advisory page under the water quality. If anybody would like any help finding that, let me know and I are help you after the presentation. MR. JON NELSON: Yeah. In sort the planted water reuse of treated wastewater discharged to a surface waterbody for the purpose of admitted by DEQ alone. This surface water of the the value of the purpose of the thing of the purpose of the purp	20	that the public has every opportunity to become involved in	20	* · · · · · · · · · · · · · · · · · · ·
MR. JON NELSON: But they can plug in before the construction permit is issued? There is a means to do that? MS. BULLARY YOUNG: Yes. MR. JON NELSON: Their's important, as well, before Page 35 I the money is spent. MS. BILLARY YOUNG: Yes. A Tier it still would 25 I have a public notice of a draft permit, so they have — the 26 public would have the opportunity to comment and to request 36 I may spent and the the construction later, so there's actually a 37 process there where they have quite a few opportunities to 38 I mit. JON NELSON: Yesh. In fact, they'd have a cuple of opportunities because they have public a few opportunities to 39 I mit. JON NELSON: Yesh. In fact, they'd have a cuple of opportunities because they have quite a few opportunities to 39 I mit. JON NELSON: For — 39 MR. JON NELSON: Yesh. In fact, they'd have a 39 I mit. JON NELSON: Yesh. In fact, they'd have a 30 I mit. JON NELSON: Yesh. In fact, they'd have a 30 I mit. JON NELSON: Yesh. In fact, they'd have a 30 I mit. JON NELSON: Yesh. In fact, they'd have a 30 I mit. JON NELSON: Yesh. In fact, they'd have a 30 I mit. JON NELSON: Yesh. In fact, they'd have a 30 I mit. JON NELSON: Yesh. In fact, they'd have a 30 I mit. JON NELSON: Yesh. In fact, they'd have a 30 I mit. JON NELSON: Yesh. In fact, they'd have a 30 I mit. Jon NELSON: Yesh. In fact, they'd have a 30 I mit. Jon NELSON: Yesh. In fact, they'd have a 30 I mit. Jon NELSON: Yesh. In fact, they'd have a 30 I mit. Jon NELSON: Yesh. In fact, they'd have a 30 I mit. Jon Nelson: Yesh. In fact, they'd have a 30 I mit. Jon Nelson: Yesh. In fact, they'd have a 30 I mit. Jon Nelson: Yesh. In fact, they'd have a 30 I mit. Jon Nelson: Yesh. In fact, they'd have a 30 I mit. Jon Nelson: Yesh. In fact, they'd have a 30 I mit. Jon Nelson: Yesh. In fact, they'd have a 30 I mit. Jon Nelson: The yes a short I mit. Jon Nelson: It's only about ten slides that I'll walk through right quick. I think we've made some room over there. I mit. Jon Nelson: This is a levise. There is	21		21	
construction permit is issued? There is a means to do that? MS. IBLLARY YOUNG: Yes. Page 35 Page 35 Page 35 Page 37 I the money is spent. MS. IBLLARY YOUNG: Yes. A Tier II still would Asive a public notice of a draft permit, so they have – the public would have the opportunity to comment and to request a public moeting. MR. JON NELSON: Yesh. In fact, they'd have a couple of opportunities because they have to do the pilot plug in, carrest? MR. JON NELSON: Yesh. In fact, they'd have a couple of opportunities because they have quelle a few opportunities to plug in, carrest? MS. IBLLARY YOUNG: For — MR. JON NELSON: Or no, the pilot is actually part of the construction, tan't it? MS. IBLLARY YOUNG: Right. MS. IBLLARY YOUNG: Right.	22	MR, JON NELSON: But they can plug in before the	22	•
MR. JON NELSON: That's important, as well, before Page 35 MR. GREG CARR. Yes, sir. And I've get a short Page 37 the money is spent. MS. HILLARY YOUNG: Yes. A Tier II still would there a public notice of a draft permit, so they have – the public would have a public notice of a draft permit, so they have – the public would have the opportunity to comment and to request a public meeting. MR. JON NELSON: Yesh. In fact, they'd have a couple of opportunities because they have to do the pilot first and then the construction later, so there's actually a process there where they have quite a few opportunities to plug in, cornect? MR. JON NELSON: Or no, the pilot is actually part of the construction, isn't it? MS. HILLARY YOUNG: For — 11 can be plug in, cornect? MR. JON NELSON: Or no, the pilot is actually part of the construction, isn't it? MS. HILLARY YOUNG: For — 12 MR. JON NELSON: Yeah. In sorry: I'm — that's right. MS. HILLARY YOUNG: Right. MS. HILLARY YOUNG: Right. MS. HILLARY YOUNG: Right. MS. HILLARY YOUNG: Right. CHARMAN DUANE WINEGARDNER: Okey. Other questions from the board? (No response.) (No response.) CHARMAN DUANE WINEGARDNER: Okey. Well, I'll Add not so much through right quick. I think we've made some room over there. (Council members moved to view presentation.) MR. GREG CARR: Let me see if I can make this through right quick. I think we've made some room over there. (Council members moved to view presentation.) MR. GREG CARR: Let me see if I'l can make this through right quick. I think we've made some room over there. (Council members moved to view presentation.) MR. GREG CARR: Let me see if I'l can make this through right quick. I think we've made some room over there. (Council members moved to view presentation. All right. This is — please note that these draft rules are on DEQ's website. They're on the Water Quality and Management Advisory page under the water quality. If anybody would like any help finding that, let me know and I can help you after the presentation. This	23	construction permit is issued? There is a means to do that?	23	Table 100 Table
Page 35 If the money is spent. MS. HILLARY YOUNG: Yes. A Tier II still would have a public notice of a draft permit, so they have — the public would have a public notice of a draft permit, so they have — the public would have the opportunity to comment and to request a public meeting. MR. JON NELSON: Yeah. In fact, they'd have a couple of opportunities because they have to do the pilot first and then the construction later, so there's actually a process there where they have guile a few opportunities to plug in, cornect? MR. JON NELSON: Or no, the pilot is actually part of the construction, fash it? MS. HILLARY YOUNG: For— MR. JON NELSON: Yeah. In somy I'm—that's night. MS. HILLARY YOUNG: Right. MS. HILLARY YOUNG: Right. MS. HILLARY YOUNG: Right. MS. HILLARY YOUNG: Right. CHARMAN DUANE WINEGARDNER: Okey. Other questions from the board? (No response.) (No response.) (No response.) (No response.) (No response.) CHARMAN DUANE WINEGARDNER: Okey. Well, III 24 CHARMAN DUANE WINEGARDNER: Okey. Well, III 25 MR. GREG CARR: Let me see if I can make this through right quick. I think we've made some room over there. (Council members moved to view presentation.) MR. GREG CARR: Let me see if I can make this there. (Council members moved to view presentation.) MR. GREG CARR: Let me see if I can make this there. (Council members moved to view presentation.) MR. GREG CARR: Let me see if I can make this there. (Council members moved to view presentation.) MR. GREG CARR: Let me see if I can make this there. (Council members moved to view presentation.) MR. GREG CARR: Let me see if I can make this there. (Council members moved to view presentation.) All right. This is = please note that these draft rules are on DEQ's website. They're on the Water Quality and All right. This is = please note that these draft rules are on DEQ's website. They're on the Water Quality. If anybody would like any help finding that, let me know and I can help you after the presentation. This is a Review of Draft Chapter	24	•	24	
Page 35 the money is spent. MS. HILLARY YOUNG: Yes. A Tier II still would have a public notice of a draft permit, so they have – the public would have the opportunity to comment and to request a public morting. MR. JON NELSON: Yeah. In fact, they'd have a couple of opportunities because they have to do the pilot first and then the construction later, so there's actually a process there where they have quite a few opportunities to plug in, current? MR. JON NELSON: Or no, the pilot is actually pan of the construction, farit it? MS. HILLARY YOUNG: For— MR. JON NELSON: Yeah. In sorry. Im—that's right. MS. HILLARY YOUNG: Right. CHARMAN DUANE WINEGARDNER: Okay. Other questions from the board? (No response.) (No response.) CHARMAN DUANE WINEGARDNER: Okay. Well, fill 24 CHARMAN DUANE WINEGARDNER: Okay. Well, fill 25 CHARMAN DUANE WINEGARDNER: Okay. Well, fill 26 CHARMAN DUANE WINEGARDNER: Okay. Well, fill 27 CHARMAN DUANE WINEGARDNER: Okay. Well, fill 28 CHARMAN DUANE WINEGARDNER: Okay. Well, fill 29 CHARMAN DUANE WINEGARDNER: Okay. Well, fill 20 CHARMAN DUANE WINEGARDNER: Okay. Well, fill 21 CHARMAN DUANE WINEGARDNER: Okay. Well, fill 24 CHARMAN DUANE WINEGARDNER: Okay. Well, fill 25 CHARMAN DUANE WINEGARDNER: Okay. Well, fill 26 CHARMAN DUANE WINEGARDNER: Okay. Well, fill 27 CHARMAN DUANE WINEGARDNER: Okay. Well, fill 28 CHARMAN DUANE WINEGARDNER: Okay. Well, fill 29 CHARMAN DUANE WINEGARDNER: Okay. Well, fill 20 CHARMAN DUANE WINEGARDNER: Okay. Well, fill 21 CHARMAN DUANE WINEGARDNER: Okay. Well, fill 24 CHARMAN DUANE WINEGARDNER: Okay. Well, fill 25 CHARMAN DUANE WINEGARDNER: Okay. Well, fill 26 CHARMAN DUANE WINEGARDNER: Okay. Well, fill 27 CHARMAN DUANE WINEGARDNER: Okay. Well, fill 28 CHARMAN DUANE WINEGARDNER: Okay. Well, fill 29 CHARMAN DUANE WINEGARDNER	25	MR. JON NELSON: That's imprortant, as well, before	25	
the money is spent. MS, HILLARY YOUNG: Yes. A Tier II still would have a public notice of a draft permit, so they have – the public would have the opportunity to comment and to request a public morting. MR, JON NELSON: Yeah. In fact, they'd have a first and then the construction blare, so there's actually a process there where they have quite a few opportunities to plug in, cornext? MR, HILLARY YOUNG: For – MR, JON NELSON: Yeah. Or no, the pilot is actually part of the construction, Isn't it? MR, HILLARY YOUNG: Right. MR, HILLARY YOUNG: Right. MR, JON NELSON: Yeah. Or no, the pilot is actually part of the construction, Isn't it? MR, HILLARY YOUNG: Right. MR, HILLARY YOUN	<u> </u>			
MS. HILLARY YOUNG: Yes. A Tier II still would through right quick. I think we've made some room over there. Indeed, there is a public motice of a draft permit, so they have — the public would have the opportunity to comment and to request a public moting. MR. JON NELSON: Yeah. In fact, they'd have a couple of opportunities because they have to do the pilot first and then the construction later, so there's actually a process there where they have quite a few opportunities to plug in, carrext? MR. JON NELSON: Or no, the pilot is actually part of the construction, isn't it? MR. JON NELSON: Or no, the pilot is actually part of the construction, isn't it? MR. JON NELSON: Yeah. Im sorry Im — that's right. MR. J		Page 35		Page 37
have a public notice of a draft permit, so they have – the public would have the opportunity to comment and to request public meeting. MR. JON NELSON: Yeah. In fact, they'd have a couple of opportunities because they have to do the pilot first and then the construction later, so there's actually a process there where they have quite a few opportunities to plug in, cornect? MR. JON NELSON: Or no, the pilot is actually part of the construction, isn't it? MR. JON NELSON: Or no, the pilot is actually part of the construction, isn't it? MR. JON NELSON: Yeah. I'm sorry. I'm – that's right. MS. HILLARY YOUNG: Right. MS. HILLARY YOUNG: Right. MS. HILLARY YOUNG: Right. MS. HILLARY YOUNG: Right. CHARMAN DUANE WINEGARDNER: Okay. Other questions from the board? (No response.) (No response.) CHARMAN DUANE WINEGARDNER: Okay. Well, fill CHARMAN DUANE Winegardners CHARMAN DUANE Winegardners CHARMAN DUANE Winegardners CHARMAN DUANE Winegardner	1	- •	1	presentation. It's only about ten slides that I'll walk
public would have the opportunity to comment and to request a public meeting. MR. JON NELSON: Yeah. In fact, they'd have a couple of opportunities because they have to do the pilot first and then the construction later, so there's actually a process there where they have quite a few opportunities to plug in, current? MR. JON NELSON: Yeah. In fact, they'd have a first and then the construction later, so there's actually a process there where they have quite a few opportunities to plug in, current? MR. JON NELSON: Or no, the pilot is actually part of the construction, isn't it? MR. JON NELSON: Or no, the pilot is actually part of the construction, isn't it? MR. JON NELSON: Or no, the pilot is actually part of the construction, isn't it? MR. JON NELSON: Yeah. I'm somy. I'm = that's right. MR. JON NELSON: Yeah. I'm somy. I'm = that's right. MR. JON NELSON: Yeah. I'm somy. I'm = that's rules are on DEQ's website. They're on the Water Quality. If anybody would like any help finding that, let me know and I can help you after the presentation. This is a Review of Draft Chapter 628. Indirect Potable Reuse Regulations for Surface Water Augmentation. And, again, my name is Greg Carr. I'm the Water Quality Division Chief Engineer. The definition of IPR, and this included in our regulations, "the planned water reuse of treated wastewater discharged to a surface waterbody for the purpose of questions from the board? (No response.) CHARMAN DUANE WINEGARDNER: Questions from the public? (No response.) CHARMAN DUANE WINEGARDNER: Okay. Weil, fill CHARMAN DUANE WINEGARDNER: O		MS. HILLARY YOUNG: Yes. A Tier II still would	2	through right quick. I think we've made some room over
5 a public meeting. 6 MR. JON NELSON: Yeah. In fact, they'd have a 7 couple of opportunities because they have to do the pilot 6 first and then the construction later, so there's actually a process there where they have quite a few opportunities to 9 and Management Advisory page under the water quality. If plug in, current? 10 plug in, current? 11 MS. HILLARY YOUNG: For — 11 can help you after the presentation. 12 MR. JON NELSON: Or no, the pilot is actually part 12 mR. JON NELSON: Or no, the pilot is actually part 13 of the construction, isn't it? 13 Potable Reuse Regulations for Surface Water Augmentation. 14 And, again, my name is Greg Carr. I'm the Water Quality 15 night. 16 night. 17 MS. HILLARY YOUNG: Right. 18 CHAIRMAN DUANE WINEGARDNER: Okay. Other 19 questions from the board? 19	1		3	there.
MR. JON NELSON: Yeah. In fact, they'd have a couple of opportunities because they have to do the pilot first and then the construction later, so there's actually a process there where they have quite a few opportunities to plug in, currext? MR. JON NELSON: Or no, the pilot is actually part of the construction, Isn't it? MR. JON NELSON: Or no, the pilot is actually part of the construction, Isn't it? MR. JON NELSON: Wesh, It is a please note that these draft rules are on DEQ's website. They're on the Water Quality and Management Advisory page under the water quality. If anybody would like any help finding that, let me know and I can help you after the presentation. This is a Review of Draft Chapter 628. Indirect of the construction, Isn't it? MR. JON NELSON: Or no, the pilot is actually part of the construction, Isn't it? MR. JON NELSON: Yeah. In sorry Im—that's right. MS. HILLARY YOUNG: Right. CHARMAN DUANE WINEGARDNER: Okay. Other of questions from the board? (No response.) CHARMAN DUANE WINEGARDNER: Questions from the CHARMAN DUANE WINEGARDNER: Okay. Well, fil			ı .	(Council members moved to view presentation.)
couple of opportunities because they have to do the pilot first and then the construction later, so there's actually a process there where they have quite a few opportunities to plug in, correct? MS. HILLARY YOUNG: For — MR. JON NELSON: Or no, the pilot is actually pan of the construction, isn't it? MS. HILLARY YOUNG: Right. CHAIRMAN DUANE WINEGARDNER: Okay. Other (No response.) CHAIRMAN DUANE WINEGARDNER: Questions from the CHAIRMAN DUANE WINEGARDNER: Okay. Well, fill CHAIRMAN DUANE WINEGARDN			5	MR. GREG CARR: Let me see if I can make this
8 first and then the construction later, so there's actually a 9 process there where they have quite a few opportunities to 9 plug in, current? 10 plug in, current? 11 MS. HILLARY YOUNG: For— 12 MR. JON NELSON: Or no, the pilot is actually part 13 of the construction, isn't it? 14 MS. HILLARY YOUNG: Right. 15 MR. JON NELSON: Yeah. I'm sorry I'm = that's 16 right. 17 MS. HILLARY YOUNG: Right. 18 CHAIRMAN DUANE WINEGARDNER: Okay. Other 19 questions from the board? 20 (No response.) 21 (No response.) 22 Reuse IPR standards were not drafted by DEQ alone. This 23 (No response.) 24 CHAIRMAN DUANE WINEGARDNER: Okay. Well, [I]] 25 Ray of the substantial	_		6	thing work here, Excellent,
process there where they have quite a few opportunities to plug in, corrext? MS. HILLARY YOUNG: For — MR. JON NELSON: Or no, the pilot is actually part of the construction, isn'ti? MR. HILLARY YOUNG: Right. MR. JON NELSON: Yeah. Im sorry. Im that's right. MS. HILLARY YOUNG: Right. MS. HILLARY YOUNG: Right. MR. JON NELSON: Yeah. Im sorry. Im that's right. MS. HILLARY YOUNG: Right. CHAIRMAN DUANE WINEGARDNER: Okay. Other MS. HILLARY YOUNG: Right. CHAIRMAN DUANE WINEGARDNER: Okay. Other MS. HILLARY YOUNG: Right. CHAIRMAN DUANE WINEGARDNER: Okay. Other MS. HILLARY YOUNG: Right. CHAIRMAN DUANE WINEGARDNER: Okay. Other MS. HILLARY YOUNG: Right. CHAIRMAN DUANE WINEGARDNER: Okay. Other MS. HILLARY YOUNG: Right. MR. JON NELSON: Yeah. Im leave you after the presentation. MS. HILLARY YOUNG: Right. MS			7	
plug in, correct? 10 mybody would like any help finding that, let me know and 1 11 MS. HILLARY YOUNG: For — 12 MR. JON NELSON: Or no, the pilot is actually part 13 of the construction, isn't it? 14 MS. HILLARY YOUNG: Right. 15 MR. JON NELSON: Yeah. fm sorry. I'm — that's 16 right. 17 MS. HILLARY YOUNG: Right. 18 CHAIRMAN DUANE WINEGARDNER: Okay. Other 19 questions from the board? 20 (No response.) 21 CHAIRMAN DUANE WINEGARDNER: Questions from the 22 public? 23 (No response.) 24 CHAIRMAN DUANE WINEGARDNER: Okay. Well, fill 25 CHAIRMAN DUANE WINEGARDNER: Okay. Well, fill 26 CHAIRMAN DUANE WINEGARDNER: Okay. Well, fill 27 Reuse IPR standards were not drafted by DEQ alone. This subcommittees for that was a Water Quality Standards			8	rules are on DEQ's website. They're on the Water Quality
11 MS. HILLARY YOUNG: For — 12 MR. JON NELSON: Or no, the pilot is actually part 13 of the construction, isn't it? 14 MS. HILLARY YOUNG: Right. 15 MR. JON NELSON: Yeah. I'm sorry. I'm — that's 16 right. 17 MS. HILLARY YOUNG: Right. 18 CHAIRMAN DUANE WINEGARDNER: Okay. Other 19 questions from the board? 20 (No response.) 21 CHAIRMAN DUANE WINEGARDNER: Questions from the 22 public? 23 (No response.) 24 CHAIRMAN DUANE WINEGARDNER: Okay. Well, fill 25 Saysh Woods the presentation. 26 an help you after the presentation. 27 This is a Review of Draft Chapter 628. Indirect 28 and, again, my name is Greg Carr. I'm the Water Quality 29 Division Chief Engineer. 20 The definition of IPR, and this included in our 20 regulations, "the planned water reuse of treated wastewater 21 discharged to a surface waterbody for the purpose of 22 augmenting a lake serving as the source for a public water 23 supply." 24 CHAIRMAN DUANE WINEGARDNER: Questions from the 25 public? 26 Reuse IPR standards were not drafted by DEQ alone. This 27 support was a Water Use Committee, and then one of the 28 subcommittees for that was a Water Quality Standards	_		9	
12 MR. JON NELSON: Or no, the pilot is actually part 13 of the construction, isn't it? 14 MS. HILLARY YOUNG: Right. 15 MR. JON NELSON: Yeah. I'm sorry. I'm that's 16 right. 17 MS. HILLARY YOUNG: Right. 18 CHAIRMAN DUANE WINEGARDNER: Okay. Other 19 questions from the board? 20 (No response.) 21 CHAIRMAN DUANE WINEGARDNER: Questions from the 22 public? 23 (No response.) 24 CHAIRMAN DUANE WINEGARDNER: Okay. Well, fill 25 This is a Review of Draft Chapter 628. Indirect 26 Indirect 27 This is a Review of Draft Chapter 628. Indirect 28 Indirect 29 Potable Reuse Regulations for Surface Water Augmentation. 29 And, again, my name is Greg Carr. I'm the Water Quality 29 Division Chief Engineer. 20 The definition of IPR, and this included in our regulations, "the planned water reuse of treated wastewater discharged to a surface waterbody for the purpose of augmenting a lake serving as the source for a public water supply." 20 And not so much through ASR, but the Indirect Potable Public? 21 And not so much through ASR, but the Indirect Potable Reuse IPR standards were not drafted by DEQ alone. This subcommittees for that was a Water Quality Standards			10	anybody would like any help finding that, let me know and I
of the construction, Isn't it? 13 Potable Reuse Regulations for Surface Water Augmentation. 14 MS. HILLARY YOUNG: Right. 15 MR. JON NELSON: Yeah. I'm sorry. I'm that's 16 right. 17 MS. HILLARY YOUNG: Right. 18 CHAIRMAN DUANE WINEGARDNER: Okay. Other 19 questions from the board? 20 (No response.) 21 CHAIRMAN DUANE WINEGARDNER: Questions from the 22 public? 23 (No response.) 24 CHAIRMAN DUANE WINEGARDNER: Okay. Well, I'll 25 (No response.) 26 CHAIRMAN DUANE WINEGARDNER: Okay. Well, I'll 27 Reuse IPR standards were not drafted by DEQ alone. This 28 supcommittees for that was a Water Quality Standards		MS. HILLARY YOUNG: For -	11	
of the construction, isn't it? MS. HILLARY YOUNG: Right. MR. JON NELSON: Yeah. fm somy. fm that's right. MS. HILLARY YOUNG: Right. CHAIRMAN DUANE WINEGARDNER: Okay. Other MS. HILLARY YOUNG: Right. CHAIRMAN DUANE WINEGARDNER: Okay. Other MS. HILLARY YOUNG: Right. CHAIRMAN DUANE WINEGARDNER: Okay. Other MS. HILLARY YOUNG: Right. CHAIRMAN DUANE WINEGARDNER: Okay. Other MS. HILLARY YOUNG: Right. MS. HILLARY YOUNG: Right. The definition of IPR, and this included in our regulations, "the planned water reuse of treated wastewater discharged to a surface waterbody for the purpose of augmenting a lake serving as the source for a public water supply." CHAIRMAN DUANE WINEGARDNER: Questions from the public? Reuse IPR standards were not drafted by DEQ alone. This was there was a Water Use Committee, and then one of the subcommittees for that was a Water Quality Standards	12	MR. JON NELSON: Or no, the pilot is actually part	12	This is a Review of Draft Chapter 628, Indirect
MS. HILLARY YOUNG: Right. MR. JON NELSON: Yeah. I'm sorry. I'm + that's right. MS. HILLARY YOUNG: Right. CHAIRMAN DUANE WINEGARDNER: Okay. Other MS. HILLARY YOUNG: Right. CHAIRMAN DUANE WINEGARDNER: Okay. Other MS. HILLARY YOUNG: Right. MS. HILLARY YOUNG: Right. The definition of I'PR, and this included in our regulations, "the planned water reuse of treated wastewater discharged to a surface waterbody for the purpose of augmenting a lake serving as the source for a public water supply." CHAIRMAN DUANE WINEGARDNER: Questions from the public? CHAIRMAN DUANE WINEGARDNER: Questions from the public? Reuse I'PR standards were not drafted by DEQ alone. This was a Water Use Committee, and then one of the subcommittees for that was a Water Quality Standards	13	of the construction, isn't it?	13	
MR. JON NELSON: Yeah. fm sorry. Im that's right. MS. HILLARY YOUNG: Right. CHAIRMAN DUANE WINEGARDNER: Okay. Other (No response.) CHAIRMAN DUANE WINEGARDNER: Questions from the public? CHAIRMAN DUANE WINEGARDNER: Okay. Well, fill	14	MS. HILLARY YOUNG: Right.	14	
17 MS. HILLARY VOUNG: Right. 18 CHAIRMAN DUANE WINEGARDNER: Okay. Other 19 questions from the board? 19 questions from the board? 20 (No response.) 21 CHAIRMAN DUANE WINEGARDNER: Questions from the 22 public? 22 public? 23 (No response.) 24 CHAIRMAN DUANE WINEGARDNER: Okay. Well, fill 25 CHAIRMAN DUANE WINEGARDNER: Okay. Well, fill 26 CHAIRMAN DUANE WINEGARDNER: Okay. Well, fill 27 supcommittees for that was a Water Use Committee, and then one of the 24 subcommittees for that was a Water Quality Standards	15	MR. JON NELSON: Yeah. I'm sorry. I'm that's	15	
17 MS. IffiLLARY YOUNG: Right. 18 CHAIRMAN DUANE WINEGARDNER: Okay. Other 19 questions from the board? 19 questions from the board? 19 (No response.) 20 (No response.) 21 CHAIRMAN DUANE WINEGARDNER: Questions from the public? 22 public? 23 (No response.) 24 CHAIRMAN DUANE WINEGARDNER: Okay. Well, fill 25 tandards were not drafted by DEQ alone. This subcommittees for that was a Water Use Committee, and then one of the subcommittees for that was a Water Quality Standards	16	right.	16	The definition of tPR, and this included in our
CHAIRMAN DUANE WINEGARDNER: Okay. Other 18 discharged to a surface waterbody for the purpose of 19 questions from the board? 19 augmenting a lake serving as the source for a public water 20 (No response.) 21 CHAIRMAN DUANE WINEGARDNER: Questions from the 22 public? 23 (No response.) 24 CHAIRMAN DUANE WINEGARDNER: Okay. Well, fill 25 discharged to a surface waterbody for the purpose of 26 augmenting a lake serving as the source for a public water 27 supply." 28 And not so much through ASR, but the Indirect Potable 29 Reuse IPR standards were not drafted by DEQ alone. This 20 supply." 21 And not so much through ASR, but the Indirect Potable 22 Reuse IPR standards were not drafted by DEQ alone. This 23 was — there was a Water Use Committee, and then one of the 24 Subcommittees for that was a Water Quality Standards	17	MS. HILLARY YOUNG: Right.	17	
questions from the board? (No response.) (No response.) CHAIRMAN DUANE WINEGARDNER: Questions from the public? (No response.) (No response.) (No response.) (No response.) CHAIRMAN DUANE WINEGARDNER: Okay. Well, fill augmenting a lake serving as the source for a public water supply." 21 And not so much through ASR, but the Indirect Potable Reuse IPR standards were not drafted by DEQ alone. This was — there was a Water Use Committee, and then one of the subcommittees for that was a Water Quality Standards	18	CHAIRMAN DUANE WINEGARDNER: Okay, Other	18	
20 supply." 21 CHAIRMAN DUANE WINEGARDNER: Questions from the 22 public? 23 (No response.) 24 CHAIRMAN DUANE WINEGARDNER: Okay. Well, fill 25 supply." 26 Supply." 27 And not so much through ASR, but the Indirect Potable 28 Reuse IPR standards were not drafted by DEQ alone. This 29 was — there was a Water Use Committee, and then one of the 29 subcommittees for that was a Water Quality Standards	19	questions from the board?	19	
CHAIRMAN DUANE WINEGARDNER: Questions from the public? 21 And not so much through ASR, but the Indirect Potable Reuse IPR standards were not drafted by DEQ alone. This was — there was a Water Use Committee, and then one of the Subcommittees for that was a Water Quality Standards	20	(No response.)	20	•
22 public? 23 (No response.) 23 (No response.) 24 CHARMAN DUANE WINEGARDNER. Okay. Well, fill 25 Reuse IPR standards were not drafted by DEQ alone. This 26 was – there was a Water Use Committee, and then one of the 27 subcommittees for that was a Water Quality Standards	21	CHAIRMAN DUANE WINEGARDNER: Questions from the		5.0
(No response.) 23 was — there was a Water Use Committee, and then one of the 24 CHARMAN DUANE WINEGARDNER: Okay. Well, [ii] 24 subcommittees for that was a Water Quality Standards	22	public?		
24 CHAIRMAN DUANE WINEGARDNER: Okay, Well, fil 24 subcommittees for that was a Water Quality Standards	23	(No response.)		
	24			
		• • • • • • • • • • • • • • • • • • • •		
	25	entertain a motion.	25	subcommittee that consisted of DEO, the Oklahoma Water

a

Page 38

В

Resources Board, some various municipalities, some of our
 larger cities; national technical experts from Alan Plummer
 Associates, Incorporated, Black & Veatch, Carollo Engineers
 and Garver Engineers. And I'll give a special recognition
 to Michael Graves. He chaired the Water Quality Standards
 subcommittee and was a large driving force.

Let's see. So my main concern is develop protective discharge and waterbody criteria for IPR. We looked at things such as pathogens, primary drinking water standards and secondary drinking water standards. Constituents of emerging concern, nutrients and then also conventional pollutants.

So, for example, for pathogens, this is a disinfection requirement. We're looking at 5, 5, 3, 3 and it's for viruses, that's for bacteria. And then the 3, 3 pertains to Cryptosporidium and Giardia. And as a note + 1 mean, chlorine will cover most of these. That's probably the most cost-effective method. Cryptosporidium is a different animal. At that point, we're probably looking for ozone, something of that nature.

General benchmarks for five-day carbonaceous biological oxygen demand, total suspended solids and turbidity, we're requiring meeting the Chapter 627, water reuse requirements for Category 2. We're also — and that's for end-of-pipe. So we are — we do have a distinction here between

Page 40

as established as present at the end-of-pipe and waterbody as well. And that's - I'll go into the waterbody a little bit here at the end.

For Additional Conservative Parameters, we're looking at things like total suspended solids, we're looking at chloride, we're looking at sulfate. For end-of-pipe, the goal for TDS is to control accumulation. For the waterbody, we're looking not to exceed the greater of either 700 milligrams per liter or two standard deviations above baseline TDS level.

And as was mentioned with the ACR — or ASR, there's been a long and continuous coordination, especially with the Oklahoma Water Resources Board. So when you're talking about an SWS, like a sensitive water supply or sources for public water supplies, there's been a restriction in what we can do with those lakes. So they've developed the SWS-r designation for our water reuse, which allows us some flexibility on this.

CECs, constituents of Emerging Concern, known by several names, also Contaminates of Emerging Concern. We've gone with constituents. These are not regulated materials, but -- or items, but we know that they do -- many of them have health risks associates with them. They are { } 1,4-Dioxane your nitrosamines, there's a long list.

So what we're looking for, at this time at least, is an

Page 39

end-of-pipe monitoring and also a waterbody monitoring.

Waterbody monitoring is something new for us, but we have a large concern for build-up over time and also harmful Algal blooms, HAB. You'll hear me refer to that several times.

And then the CBOD5 requirements, less than 5 milligrams entered daily; TSS, total suspended solids, less than five; turbidity less than 2 NTU. And TOC is something we track as a — more of a performance measure and it's also fairly inexpensive to track.

For nutrients, we're looking at a total nitrogen limit, end-of-pipe for 8 milligrams per liter monthly, 12 daily max. Total phosphorus we're looking at 0.2 milligrams per liter monthly and 0.3 daily. And then the goal is to prevent — the goal is to protect beneficial uses and we're really concerned again about harmful algal blooms. And then we were monitoring the waterbody for nutrients, algal biomass and dissolved oxygen.

For primary benchmarks, I'd like to mention at the end of — we have included — in your binders, we have included a copy of Chapter 628, the draft. And at the very end of it is Appendix A, which includes all of our benchmarks; the general, the conservative, additional. It's all listed in there.

And then for the primaries, we will monitor essentially

Page 41

overall reduction of CECs in the line. There are some processes, especially advanced oxidation processes that actually create CECs. So right now, we're just looking to mostly see those reduced.

And then the waterbody, we're doing the same. We still — you'll see, at the end of the presentation, one of the things we're still working on is our waterbody monitoring plan. There's a lot of unknowns there. We've never really — the Water Board has their BUMP program and they monitor waterbodies. We don't normally do that. About the closest we've come is in our drinking water program, we do some source water monitoring for Cryptosporidium, but this will be — this will be some new territory for us and quite a bit of expense.

Under our Considerations for in-lake monitoring, which is basically IPR receiving waterbody monitoring, we're going to require an initial pre-IPR baseline characterization sampling plan for a minimum of one year. And we'll look at spatial monitoring requirements, temporal, seasonal, collection method. This could run into a considerable expense. But again, the main goal on this is to protect public health and safety. And the most immediate concern is harmful algal blooms.

And then from the baseline characterization sampling plan, we will develop a waterbody assembly and monitoring

11 (Pages 38 to 41)

12

13

14

15

16

17

18

19

20

21

22

23

24

25

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

25

Page 42

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

24

25

1

2

3

6

7

Θ

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

1 plan. 2 So these are the initial steps. We've got the 3 regulations here. We still have outstanding items that the 4 Water Reuse subcommittee has recognized. I believe that 5 list right now is at 22 items and we're forming additional 6 subcommittees to keep working on those. And that's -- some 7 examples. Like mixing zone policy, we still have SOPs to A work out. We're still working on our list of CECs, because q that is essentially a moving target. There's new chemicals 10 popping up all the time.

And then also when we talk about CECs, we're also trying to - there's only so many labs that can sample a lot of the CECs that we're looking at. So we're also looking and it's a long list. I've seen lists that people are monitoring up to 400 constituents long. So this could run into considerable expense. What we're trying to do is establish some surrogates for basically classes of CECs to make it more cost-effective.

We have our IPR guidance documents that we're still working on. And a lot of that we'll be addressing waterbody monitoring in the plans. Monitoring and being aware of our waterbodies. Since a lot of the IPRs will be taking place in urban areas, due to that's where the need really is from, then diligent monitoring is very necessary.

Public education and building community stakeholders.

Page 44

1 numbers in there. But we're trying to recoup our costs on 2 that basically. Not making any money, but just recoup our cost because this will - it already has been a huge expense 3 4

We've delayed a lot of our projects in other areas because we've been addressing this. It's taken a huge time load, but it's - it's very important. IPR and DPR, I believe, are necessarily the future and they have to be

Because harmful algal blooms, for example, can put a lake out of action if you're talking cyanotoxins, if it's a - if it's an actual harmful algal bloom, so these are things we're addressing.

And our lab is currently working on analytical and monitoring techniques perhaps, and our DWSRF program has been helping them somewhat with that funding. So we have some flexibility. Some of the - our DWSRF program is it's based partly on a grant that we get from the EPA, from the federal government, but it also is a loan program that receives interest and it does make some money that we can use for other resources, but just a little bit. Don't get me wrong.

23 Does that help?

MS. TERRY WYATT: Thank you.

CHAIRMAN DUANE WINEGARDNER: Question.

Page 43

1 IPR, along with - Indirect Potable Reuse along with Direct 2 Potable Reuse is something that we have to sell the public 3 on and actually the community, so that is something we are 4 working on. 5

And then next year, we will start our Direct Potable Reuse regulations, get with our subcommittee to draft those.

Any questions?

Yes, ma'am.

MS. TERRY WYATT: With the budget constraints that we're under right now, where do you propose this money to come from?

MR. GREG CARR: Right now we have the staff on hand if we don't see a lot of these. We have a water reuse section in water quality that is unmanned; we've made space for it. Right now, we've just - we just have to establish priority, sort of like you do in triage for surgery and for wounded. And we decided, "What's more important?"

So we have the personnel to support this if we don't start seeing a lot. If we do, and I'll go ahead and point it out now. You'll see in our fee section, for Indirect Potable Reuse, we're trying to -- we've basically done some calculations through spreadsheets and we're trying to

23 recover those costs. And the municipalities and our 24

consulting engineers have agreed with what we've put in there. But there are some - there are some substantial

Page 45

MR. GREG CARR Vet sir

CHAIRMAN DUANE WINEGARDNER: One of the next steps

is public education. And I realize that a lot of these

things are going on concarrently to a certain extent. But 4

5 we need to have a very serious plan for public education

because there's - there's a lot of work to do.

MR. GREG CARR: Yes, sir Especially with DPR, Direct Potable Reuse, which is essentially toilet-to-tap,

and I think we'll see that sooner than later

MS. SHELLIE CHARD: Stop saying that.

MR. GREG CARR: I'm sorry. I've been told not to say that, so please forgive me.

(Laughter)

MR, GREG CARR: But, I mean, that's an important resource. There's one operated in Big Spring, Texas, And then I think Wichita had one that they used, which they're converting to Indirect Potable Reuse. But we do have to convince the public that it's in their best interest. But, I mean, at the same time that we convince them that it's intheir best interest, we have to start looking at the watershed and watch what we do to the watershed. And I believe Saba would like to say something

MR. SABA TAHMASSEBI: 1 know a work group is working on that aspect of it.

MR. GREG CARR. A work group is working on that.

6

7

8

9

10

11

12

13

14

15

16

20

21

22

23

24

1

2

ε,

6

7

e

9

10

11

12

13

1.4

15

16

17

18

19

20

21

Page 46

1

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

1

7

9

10

11

12

17

18

19

20

21

25

1 We're also relying heavily on our municipality partners that 2 intend to do this. It's in their best interest to convince

their people, their customers that this is in their best

interest. And a lot of times it just comes down to money. 4

But there's a - sometimes there's an anger, denial and acceptance process to go through, and we have to bridge the topic and then just kind of wade into it and be patient.

But we're trying to start this early. We don't have anyone proposing to do this yet. We've got several municipalities that are discussing the possibility, which is why we're moving forward with our rules. But we don't have any type of submittal.

And just a note, even without these rules, even without Indirect Potable Reuse -- Indirect Potable Reuse rules or Direct Potable Reuse rules, if someone submits a plan design - you know, plans and specifications for a project, we will still look at it, we will still review it. And if

17 18 it's - if it's appropriate, we will approve it. 19

So we have a clause essentially in our rules called variance process. And if it's - if we can show and demonstrate that it's - that it's good for public health and it's safe, then we will move forward with it. So even without this, we would still have the opportunity for IPR

and DPR. This just gives guidelines and some direction. 25 And, Shellie, we're not voting on this one, we're

Page 48

Page 49

attempted. We are not only having requirements for testing

2 and for using modeling, things like that, that we normally

3 do, we also have what we call a four-box model. And the

fourth box is actual measurements in the lake. And if the

5 concentrations of certain constituents increase, there's

6 going to be consequences in the permit itself. So the 7

permit is going to change as a result of what you see in the

8 lake. And this is something that nobody else has

9 contemplated. And because of that, I'm very proud of DEQ's staff for coming up with these type of innovations. 10

MR. BRIAN DUZAN: I would assume that --MS, SHELLIE CHARD: I'm sorry, the -- at the risk of telling the Council what to do, your Council secretary and court reporter need you guys to speak into the microphones. They can't get it all recorded.

(Council moved back to their seats.)

MR. BRIAN DUZAN: Just making sure I haven't been towed from across the street yet.

(Laughter.)

MR. BRIAN DUZAN: I would assume that the municipality would bear the full brunt of all the testing charges and the monitoring.

MR. GREG CARR: Yes, sir.

MR. BRIAN DUZAN: So this isn't going to be an

Page 47

just - this is just a review. And then everybody needs substantial time to look at this. And you can, obviously,

3 call us and ask questions, and we encourage questions 4

because this is new territory for us, too, and we're -

MR. SABA TAHMASSEBI: Yeah. Like as Greg said, we are hoping to have a final vote on this in January. And we -- our staff has worked tirelessly this past several months working on ASR and IPR, that these are two tools in our toolbox that are going to be very necessary for our state in case a drought comes back again. We need to have -- we need to have the tools in place to mitigate the impact of drought, and these two pieces of law - of rulemaking are a major step -- okay.

MS. SHELLIE CHARD: They can't hear you. MR. SABA TAHMASSEBI: Okay. Are a major step in that - in that regard.

So the rules, like Greg said, they are on our webpage. So I encourage the Council members and the public to take a look at them. And please let Greg know if you have any concerns or comments, and hopefully we will get to address them before January so we'll -- we'll have a smooth sailing

22 through approving of these rules. 23 I have to also say that personally, I am very proud of 24 the document that we have generated. There are some 25 regulatory innovations here that no one in the nation has inexpensive --

2 MR. GREG CARR: No, it is not. We've - the Water 3 Board has - they've developed some rough numbers that I've seen, but, I mean, it's -- it's rough. But it's -- it's not 4 5

cheap - it's not a cheap process, no. But neither is, you know, losing the use of your lake, so ...

MR. JON NELSON: Greg, is there any - I'm sure there's been a lot of discussion, but any direction that the group is moving towards these corrective action plans for CECs? Are we talking about best available technology or just best practices, or how -- how do you --

MR. GREG CARR: Since we're not -13 MR. JON NELSON: - deal with that situation?

14 MR. GREG CARR: And since CECs are not regulated 15 that puts us in a fairly -16

MR. JON NELSON: Yeah.

MR. GREG CARR: - delicate territory. And these rules are not technology-based. It's performance-based, so if you can meet these requirements -

MR. JON NELSON: Yeah, you're --

MR. GREG CARR: - the benchmarks, then you can do it as you please, subject to approval

22 23 MR. JON NELSON: Right. But what it said is if 24

you don't have a - like a measurable reduction or appropriate reduction -

13 (Pages 46 to 49)

light, and so you may have to increase monitoring, you may

Page 50 Page 52 1 MR. GREG CARR: Uh-huh. 1 have to reduce your flow. But it just depends. We'll have 2 MR. JON NELSON: -- then corrective action has to 2 to analyze that as applicable. And then the red light would 3 be taken and -3 be when you hit the benchmark and you have to stop. But 4 MR. GREG CARR: We have not defined that, there will be a yellow light, a trigger light at which we 5 MR. JON NELSON: Okav. 5 say, "You need to slow down whatever you're doing or monitor 6 MR. GREG CARR: So, I mean, corrective action 6 more frequently." 7 would be basically solve the problem and make it - but this 7 MR. JON NELSON: Are those standards that - I Θ is still new territory for us. 8 know you're talking about something in the waterbody. What 9 MR. JON NELSON: Right. 9 about end-of-pipe. 10 MR. GREG CARR: We still haven't even -- we 10 MR. GREG CARR: Yes, sir. 11 haven't settled on our list of CECs. And then we've seen MR. JON NELSON: That, too? 11 12 some proposals. This is still fairly new for everybody. 12 MR. GREG CARR: End-of-pipe. End-of-pipe is 13 I went to Chicago last week at a WEFTEC conference and 13 fairly easy to monitor, it's just right there. But the -14 there were a lot of water reuse presentations there like 14 so when we're talking about waterbody, it's like - I mean, 15 Hampton Roads Sanitation District and some - so it - this 15 we have to understand the flows in the lake, the 16 is a common problem for everyone. And there's not a general 16 relationship between the discharge of the wastewater 17 agreement on what a good list of CECs is, unless it's a 17 treatment plant and the intake of the surface water, you 10 super extensive list. 18 know, treatment - or drinking water plant. I mean, what 19 (Mr. Carr conferred.) 19 depths are we talking about, you know, and how often. You 20 MR. GREG CARR: Okay. So Mike pointed out on 20 know, "Does this need to be a realtime monitor?" Do we want 21 Page 24, under CECs - and I'd also like to note that for 21 somebody to go out there in a boat all the time?" That's 22 all of these chapters - so I was responsible for drafting 22 probably not practical. 23 the permitting chapter in each of our group managers for -23 So we're probably talking about needing at least one or 24 Water Quality actually was responsible for drafting a 24 two buoys. It just depends on the lake that we're talking 25 permitting chapter, in addition to Karen Steel, which is not 25 about. And some of it will be the same thing probably. But Page 51 Page 53 1 a group manager, but she drafted the waterbody monitoring 1 it just depends on the frequency 2 chapter, which is Chapter 11 - Subchapter 11. I don't mean to sound vague, but it will -- it will --3 Then Mike pointed out, so when we have statistically 3 I do. But we're still working that out. 4 significant accumulation for CECs at any monitoring site in 4 MR. JON NELSON: Have to be. 5 a waterbody - and that's another thing we have to decide is 5 MR. GREG CARR: Still a topic of discussion and it 6 what water monitoring sites there are. A lot of the - one 6 will be lake-specific. 7 of the things we look at is the Beneficial Use Monitoring 7 MR. JON NELSON: Yeah. 8 8 Plan that the - program that the Water Board has. That's a MR. GREG CARR: And it may depend on the treatment 9 long-term trend monitoring program. train that they choose and where they discharge, 10 So it's not exactly what we're after. We're after 10 CHAIRMAN DUANE WINEGARDNER! Other questions? 11 closer to a realtime. We've even discussed the time - the 11 (No response.) 12 use monitoring buoys. I know the Utah Lake, they use some 12 CHAIRMAN DUANE WINEGARDNER: Other comments by the 13 monitoring buoys for some of this stuff, for their water 13 public? 14 reuse and for some HAB monitoring so they can try to eatch 14 (No response.) 15 that before it happens. 15 CHAIRMAN DUANE WINEGARDNER: Well, thank you very 16 So as Mike pointed out, there's investigative 16 MR. GREG CARR: Thank you, sir. I appreciate it. 17 implications for public health and environment submit funds 17 to DEQ. So increase - increase into pipe and/or waterbody 18 18 And I'm sure we'll discuss this some more. 19 19 monitoring frequency. (Lauduer) 20 And as Saba discussed, we have some - it hasn't been 20 CHAIRMAN DUANE WINEGARDNER: Yesh. 21 worked out yet, but we have some trigger levels, which we 21 Shellie, would you like to bring us up to date? 22 MS. SHELLIE CHARD: Sure. I've yot three kind of sort of affectionately refer to as green light, yellow 22 23 light, red light. So green light means operations as 23 broad topics for you today. The first one is probably the 24 24 normal. There will be a trigger level at which it's yellow most convoluted and complex, but the easiest to relay to

you, and that is budget. We do have a special session of

Page 56

Page 54

1

12

13

14

15

16

17

18

19

20

21

22

23

24

25

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

10

19

20

21

22

23

24

25

- the legislature that is ongoing. We don't have a whole lot
- 2 of indication of what they're talking about, so we don't
- 3 know what that's going to look like. That could have very
- little impact on us or it could have a very measured impact.
- 5 It just depends on what decisions that they make as far as
- 6 increasing revenue versus cuts and how those get

A

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

1

2

3

4

5

6

7

θ

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

We're trying to be smart making decisions spending money in case we do have additional cuts. We're just kind of in a wait-and-see game and we're trying to get done all of our critical tasks as best we can.

The federal budget is probably equally as murky with the President's budget, the Senate's budget, the House's budget and they, at some point either come to an agreement and pass a budget, or they don't and end we up with a continuing resolution.

They did pass a budget last year, so they do have the option of continuing on a continuing resolution path. Right now the federal government is operating on a continued resolution through December, early December, so there will be some action between now and then either to pass a new budget or to continue on for another few months.

There were a lot of proposed cuts in the President's budget. We know key House and Senate members have put back in their proposed budgets some of the programs that were

appointees.

2 We do have a political deputy named for Office of Water 3 and that is Lee Forsgren. I met him last week. He's been

4 on the job seven, eight, ten days now. He is listening to

5 some of his staff. He has some very specific ideas in mind

6 for the Office of Water, some things that we have heard from 7

Administrator Pruitt as far as rules of law, pushing things

B down to the state, sort of local level. Kind of yet to be 9

seen what ideas or specific projects or rules he has in 10 mind. Like I said, he hasn't been on the job too long, so I

11 suspect we'll be hearing more sooner rather than later.

> Mike Shapiro, who has been the career deputy in the Office of Water is still in that position and likely will stay in that at least for another year or so until he

We have a new Director of the Office of Science and Technology. That is not a political appointee. That's actually a career hire for the agency. Deborah Nagle, she comes out of the permitting program, and before that was on the military side of the Corp of Engineers. She entered West Point at 17 years old, graduated from West Point, then headed up several areas in the Corp of Engineers before retiring as Colonel and going to EPA.

She spent most of her career with EPA in the permitting branch, so dealing with the implementation of the Water

Page 55

zeroed out, that include some of the very specific programs such as Chesapeake Bay, Great Lakes Initiative. Those got put back in. The U.S.- Mexico Wastewater program remains zeroed. The Beach Monitoring Program was funded again.

On the SRF funding the State Revolving Fund loan and grant program for both Clean Water Act and Safe Drinking Water Act, those have been restored to current year funding. The administration is very focused on infrastructure and water and wastewater are really being highlighted and not just roads and bridges, which is kind of nice to see. But you never know until Congress votes and the President acts, so we're kind of just waiting to see what happens there.

We are seeing some more of the EPA political appointees named. Not seeing a whole lot of action on some of them at this point. But we do have a nominee that has been named for the Office of Water - the Assistant Administrator for Office of Water. That is David Ross. He has a background in the State's Attorney General Office in Wyoming and later in Wisconsin, has a lot of similar thought processes or ideas as the Administrator, Oklahoma's former Attorney General, Scott Pruitt. They worked on some issues together

during both of their tenures with the State AG's offices. He has been nominated. His confirmation hearings have been scheduled and postponed a couple of times as Congress and the Senate were taking up other issues instead of

Page 57

Quality Standards and implementing some of the decisions made by the Office of Science and Technology. So I think that's really a good move.

We've had several conversations over the years of we get these standards, we get these scientific decisions while valid, the actual implementation becomes incredibly costly and incredibly difficult. So she's very open to looking at what implementation actually means rather than just setting standards. So I think that's going to turn out to be a very positive move in seeing, you know, what comes out of OST.

Then we also have a nominee for Office of Compliance Enforcement. Susan Bodine, who has spent time on the Hill in both the House and the Senate committees, most recently Senate Public Works and Environment as their general counsel. She also spent some time in private practice in a couple of big law firms. She has cleared committee but has not had hearings scheduled before the full Senate.

If anybody is going to get confirmed, one would think, you know, she was a likely person to be confirmed having worked with so many members of Congress and is very well respected, but we'll see what happens with that since there's been no movement for a while.

My last issue I wanted to talk about is produced water. Part of the drought resiliency and looking at, you know, what are some alternative sources of water. In order to

17

18

19

20

21

22

23

24

25

not just think, okay, it rained, we're good, let's move on."

forward with the Aquifer Storage Recovery and Indirect

treated, reused water. Sometimes it is actually going as

far as treating the wastewater, from another process, to

drinking water standards. So that's something you're going

have systems running out of drinking water.

to continue to hear a lot about.

And I think that philosophy has a lot to do with our moving

Potable Reuse, that we have to be prepared so that we don't

Sometimes it's merely as easy as trading freshwater for

Case No. Page 58 Page 60 1 move Oklahoma toward our 2060 goal of no more freshwater in 1 The other classic Secretary Teague's statement is, "You 2 2060 than in 2010. There have been a lot of things 2 know, it's a 10-year problem or it's a 20-year problem. But 3 happening on that front. One of the big ones between the if we don't start now, in 10 years, it's still a 10-year problem." So we're trying to get out ahead of some of these Corporation Commission and DEO, we do have an MOU that it's already been signed by one party and we hope to have it 5 issues. And hopefully the next time we find ourselves with signed by the -- I dare say end of the day, but I'll go with 6 a significant drought, we will be so far down the road that end of the week, you know, in case something unforeseen we will, you know, not feel the impacts as dramatically as 8 happens that would allow DEQ and the Corporation Commission 8 we did where we had drinking water systems down to their to work together in order to permit and allow some produced 9 last 30 or 45 days of drinking water before we were 10 water discharges, get that permitting through the State 10 fortunate enough to get rain. 11 11 rather than everything having to go through EPA. That's So those are the big things going on. I guess I will 12 been a big issue. 12 stop talking and let you guys play 20 questions. 13 We had the statute in place, after this last session, 13 CHAIRMAN DUANE WINEGARDNER: Any questions for 14 14 and now we're, you know, working out the administrative Shellie? 15 15 details on how to make that work. Once we have all of the (No response.) State paperwork done, then we'll start looking at providing 16 16 CHAIRMAN DUANE WINEGARDNER: Well, I have no new 17 additional information to the Environmental Protection 17 business to propose. 18 Agency in order to update our delegation agreement to allow 19 Does anyone have any new business to propose? 19 for DEQ to issue some of those permits. 19 (No response.) 20 CHAIRMAN DUANE WINEGARDNER: 1 do have one Also, all of you are very familiar with Mike l'aque, 20 21 that he was with us on this Council for a long time before 21 announcement. I wanted to remind everyone of the Governor's 22 moving to the Environmental Quality Board. As the Executive 22 Water Conference, which is coming up October 31st and 23 Director of the Groundwater Protection Council, he, in 23 November 1st. The gone the last, I don't know, six, seven 24 working with his Board of Directors, has put together a 24 years, whatever it's been, a long time in a row, and I found 25 25 group that is preparing for about an 18 to 24-month long it to be very enlightening. They have good speakers. You Page 59 Page 61 produced water beneficial use study. It will be looking at 1 get good insight into what's going on in a lot of research current uses of produced water, what research is needed to 2 projects that are focused on the topics that we work with. 3 increase produced water usage and to expand from more of the Next scheduled meeting then will be in January. And I 4 4 traditional oil-and-gas-related uses into agriculture or would - if there's no other business, I will entertain a 5 industrial uses and potentially, down the road, drinking 5 motion for adjournment 6 б MR. JON NELSON: III move. 7 In working with Groundwater Protection Council on that 7 MR. BRIAN DUZAN: Second B issue, I've had the opportunity to hear Oklahoma's Secretary CHAIRMAN DUANE WINEGARDNER: And secondary. 9 of Energy and Environment speak many times about two very MS, OLDANA FIELDS: Mr. Duzana 10 key points that I decided I would file away and I was going 10 MR. BRIAN DUZAN: Yes. 11 to borrow from him. And one is, "We live in a part of the 11 MS. OUIANA FIELDS: Mr. Matheson? 12 10 country where drought never goes away. It merely gets MR. MARK MATHESON: Yes. 13 interrupted. We declare it's over, the graphs and the 13 MS. OUJANA FIELDS: Mr. Nelson? 14 charts tell us it's over, but hang around a few days, weeks, 14 MR. JON NELSON: Yes. 15 months, it's coming back. So we have to be proactive and 15 MS. QUIANA FIELDS: Mr. Rodriguez?

16

17

18

19

20

21

22

23

MR. JIM RODRIGUEZ: Yes.

MS. TERRY WYATT: Yes.

MEETING ADJOURNED 3.20 P.M.

MS. OUIANA FIELDS: Mr. Short?

MS. QUIANA FIELDS: Ms. Wyatt?

VICE CHAIRMAN JEFF SHORT: You

MS. QUIANA FIELDS: Mr. Winegardner?

MS. QUIANA FIELDS: Motion passed.

CHAIRMAN DUANE WINEGARDNER: Yes.

CHAIRMAN DUANE WINEGARDNER: Thank you very much.

	Page 62	
_		
1		
2 3		
4		
5		
5 6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
ı		
	D 63	
ı	Page 63	
1	CERTIFICATION	
2	l, Jennifer Payne Kaelin, a Certified Shorthand	
3	Reporter within and for the State of Oklahoma, do hereby	
4	certify that I was present at the Water Quality Management	
5	Advisory Council Meeting had October 10, 2017; that I	
6	recorded in stenotype notes all of said proceedings; and	
7	that I thereafter transcribed my notes so taken and reduced	
8	same to typewritten form; and that foregoing transcript of	
9	proceedings is full, true, correct and complete, to the best	
10	of my skill and ability, along with corrections made by the	
11	Department of Environmental Quality's staff.	
12	I further certify that I am not an attorney for	
13	nor relative of any of said parties or otherwise interested	
14	in the outcome or event of said action.	
15	in the outcome of event of said action.	
16	INTERFECT THEORY AND A COLUMN ASSESSMENT ASS	
	IN WITNESS WHEREOF, I have hereunto set my hand	
17	and affixed my official scal this 13th day of October, 2017.	
18		
19	A 2	
20	Jennifer Payne Kaelin, CSR#1748	
	Official Court Reporter	
21		
22		
23		
24		
24		

17 (Pages 62 to 63)

Page 63

1 2

3

4

5

6

7

8

9

10

11

12

13

14

CERTIFICATION

I, Jennifer Payne Kaelin, a Certified Shorthand Reporter within and for the State of Oklahoma, do hereby . certify that I was present at the Water Quality Management Advisory Council Meeting had October 10, 2017; that I recorded in stenotype notes all of said proceedings; and that I thereafter transcribed my notes so taken and reduced same to typewritten form; and that foregoing transcript of proceedings is full, true, correct and complete, to the best of my skill and ability, along with corrections made by the Department of Environmental Quality's staff.

I further certify that I am not an attorney for nor relative of any of said parties or otherwise interested in the outcome or event of said action.

15

16

17

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal this 13th day of October, 2017.

hifer R. Payne Kaelin, CSR#1748

Expires December 31, 2017

18

19

20

2122

23

24 25 Jennifer R. Payne State of Oklahoma Certified Shorthand Reporter

My Certificate Expures 122 - 1



WATER QUALITY MANAGEMENT ADVISORY COUNCIL

Attendance Record
October 10, 2017
Department of Environmental Quality
Oklahoma City, Oklahoma

CHECK BOX TO COMMENT

NAME and/or AFFILIATION

Address and/or Phone and/or E-Mail

MIKE MATHS	CONTINENTAL	RESOURCES	DIKE MATHIS & CLR. COM
Mark Matheson	ORWA		theson, orward gnail, con
· Shelly March	DER		,
Melantice	DPP		
Deann Fie 18	> DEQ	MfdHsn	ASSUC OF OKMARDIORS
Jem Wyatt	$\underline{\hspace{1cm}}$		
· Oward Frelo	l DED		
Wendy Sheets	neq		
Trag Kelly	DED		
· Travis Couch	DEQ_		
Duane Winzgar	dner		
Lee Daden	DEO EPU		
Bud Ground			
Brian Duzan	GOT		
· CHRIS ARMETEUNG	DEC		
· David Cates	DEQ		
· Tory Shith	DEQ	<u></u>	
BetSee Strenli	DED	· · · · · · · · · · · · · · · · · · ·	
Su An Niel	Omi		
1 Freetes not.	DEQ		
Minty Porter	OWRP		
Earl Hell	Edmond	Fact, H.	11 2 edminddl.com
Von Nolan	Tuls		



WATER QUALITY MANAGEMENT **ADVISORY COUNCIL**

Attendance Record October 10, 2017

Department of Environmental Quality Oklahoma City, Oklahoma

CHECK BOX TO COMMENT	
NAME and/or AFFILIAT	ON Address and/or Phone and/or E-Mail
Larg Thompson D.	D paty. thouspoon wodeg.or.goc
"Kelly Dixon De	& Kelly, dixmodes ok gov
MICHAEL MOE DE	2 michael. mor Eder de gov
Michelle Wynn	N.Q.
- GREG CARRU I	EQ gregory, Carro, dy. ok. gov
Laura Herron De	HF herdonkle oge com
Takeren Rogers O	bE Rogerstac ogecom
3	3